37th STREET

AERIAL LOCATION MAP N.T.S.

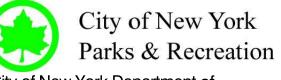
Javits Plaza Platform

New York, New York

CLIENT GROUP







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DESIGN TEAM

CIVIL ENGINEER

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DRAWING No. SHEET TITLE

<u>GENERAL</u>

TITLE SHEET

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JAVITS PLAZA PLATFORM

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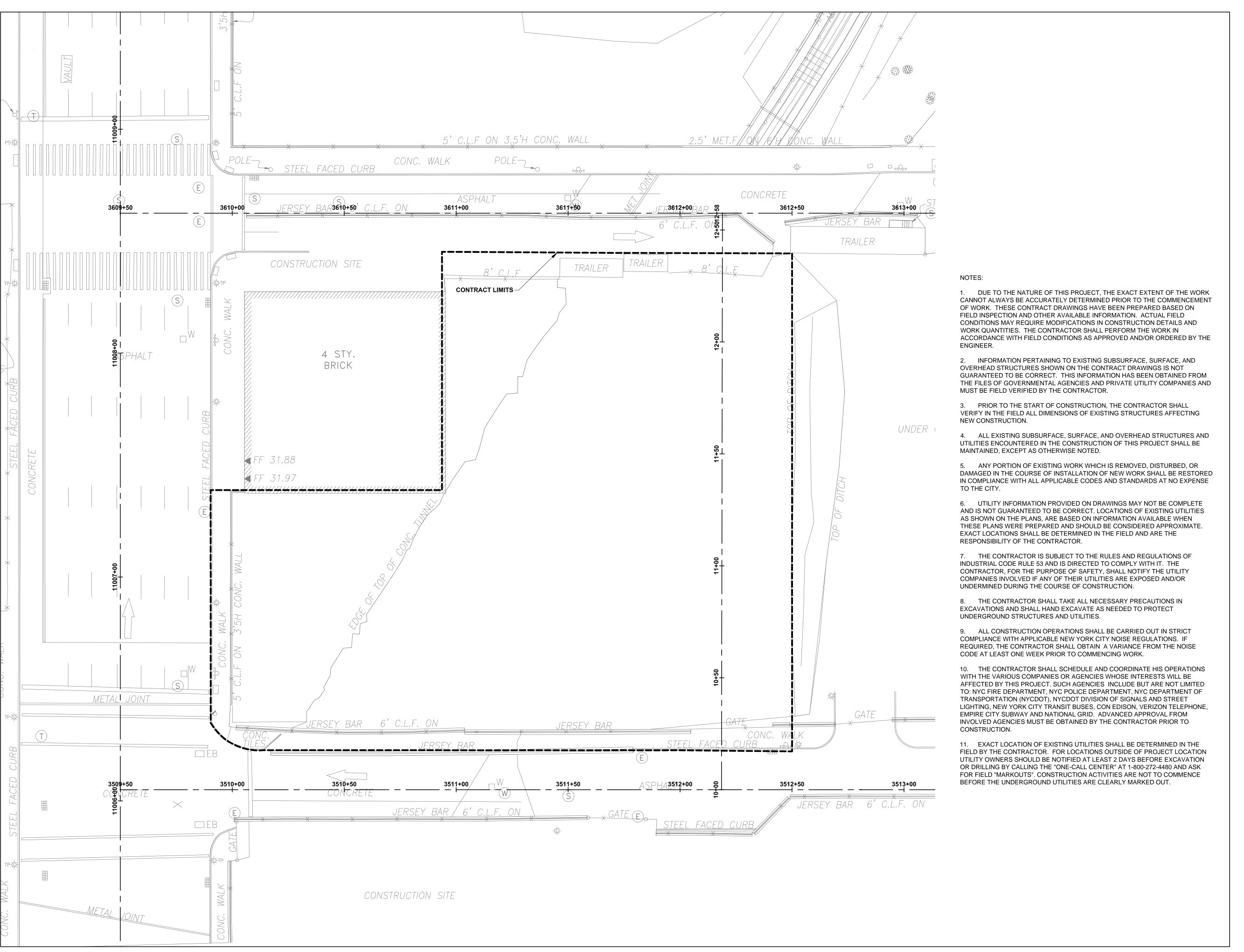
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SHEET INDEX

02/17/2015 NO SCALE SCALE DRAWN BY A. WRIGHT CHECKED BY K. SPILLANE G-001



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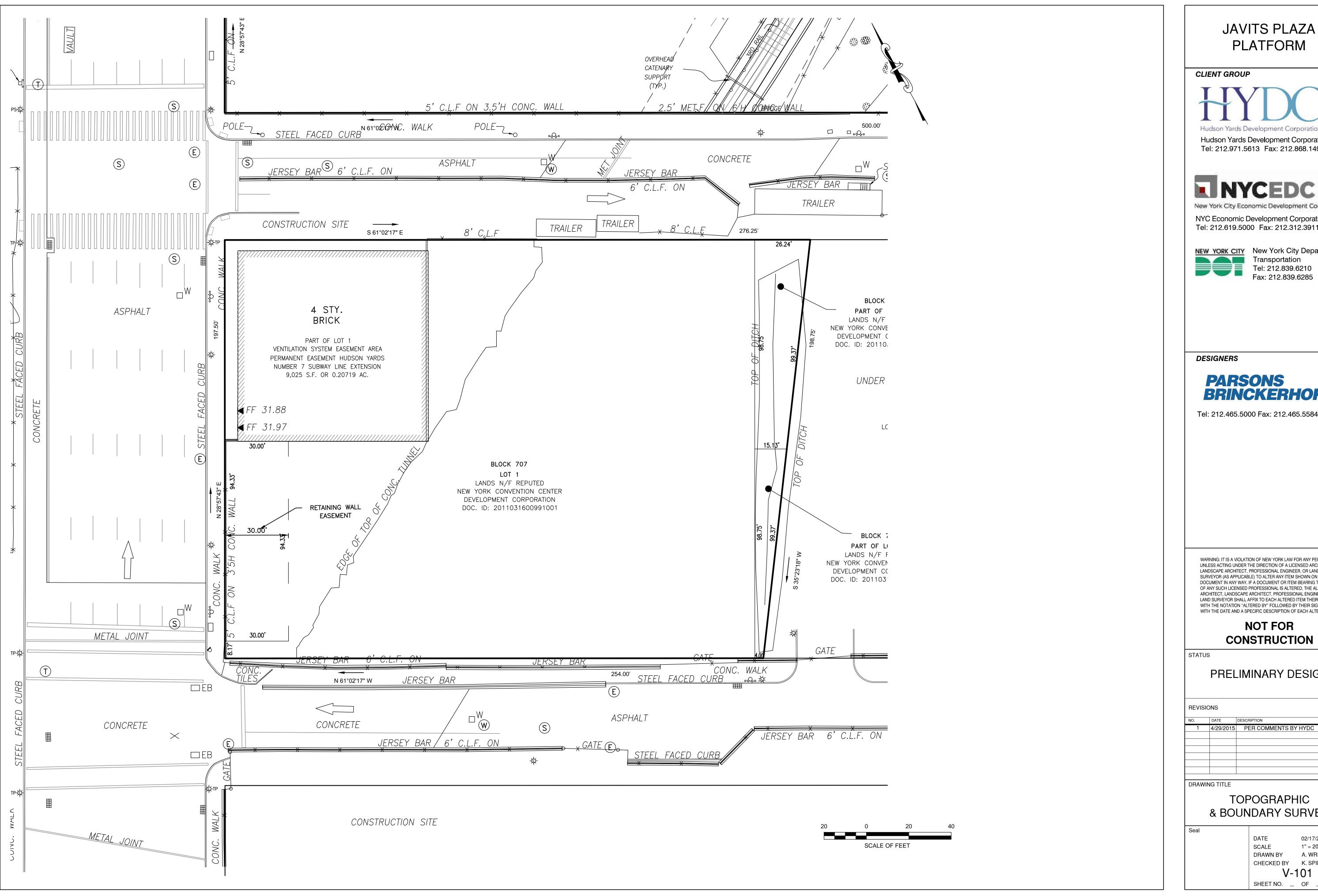
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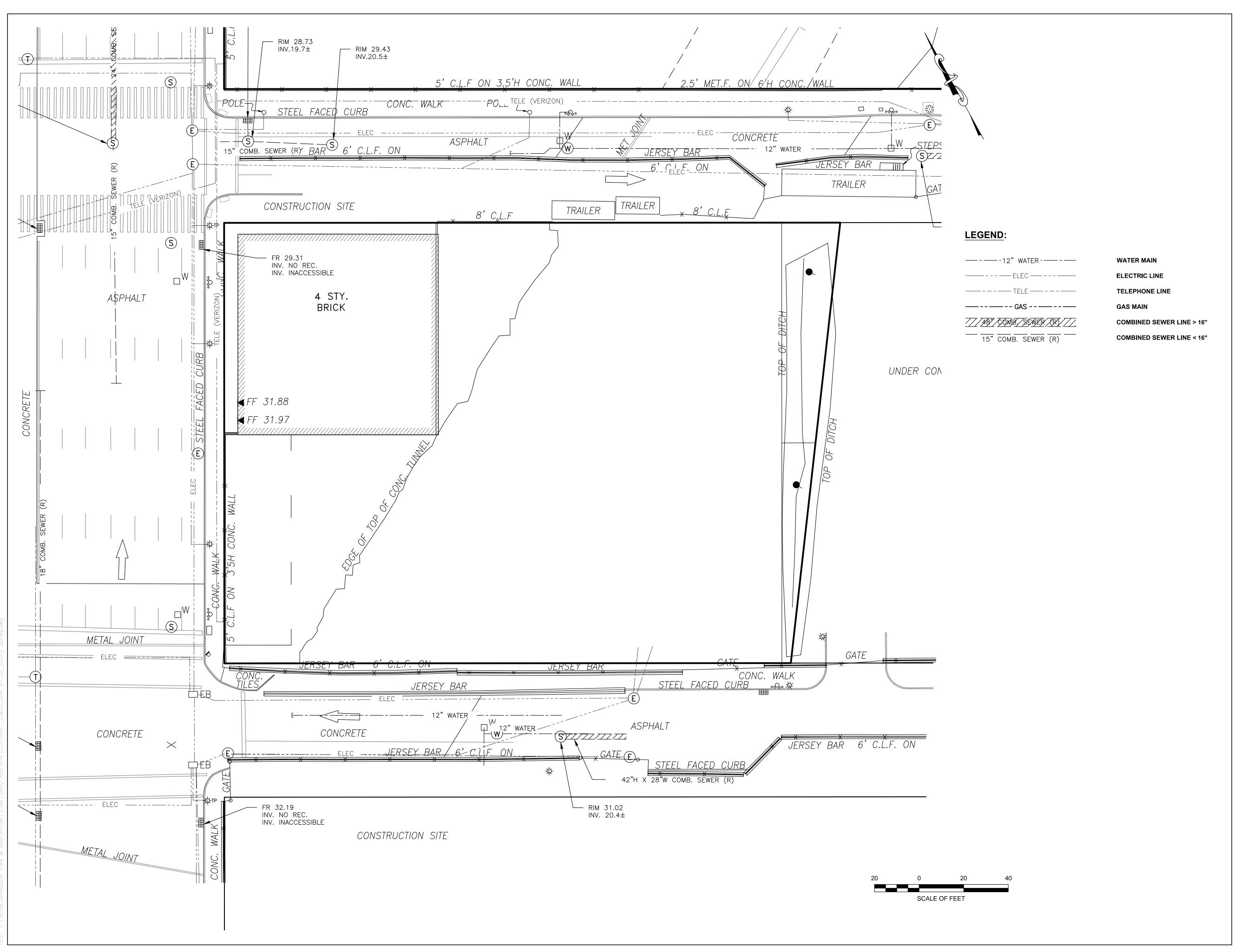
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TOPOGRAPHIC & BOUNDARY SURVEY

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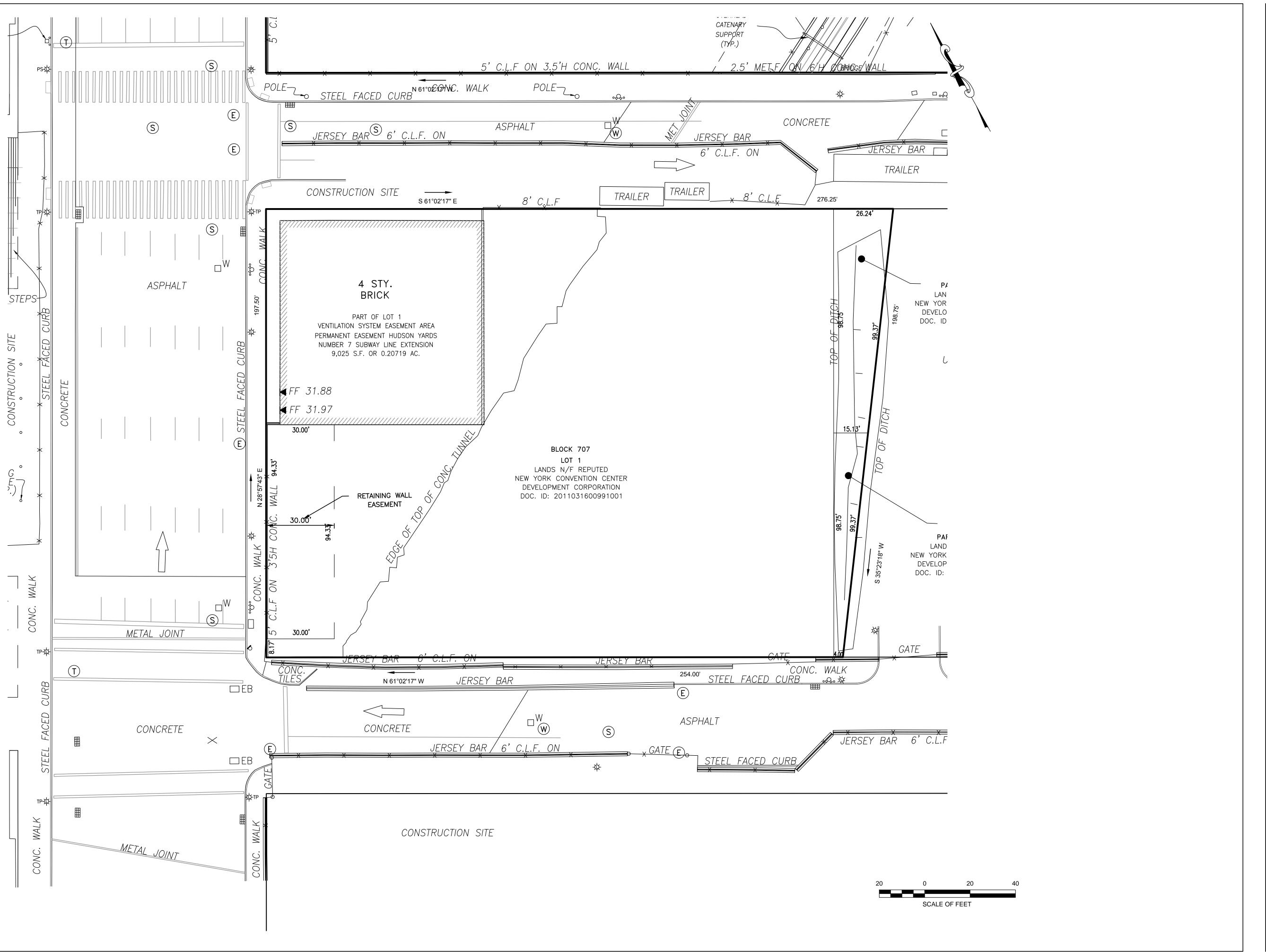
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UTILITY SURVEY

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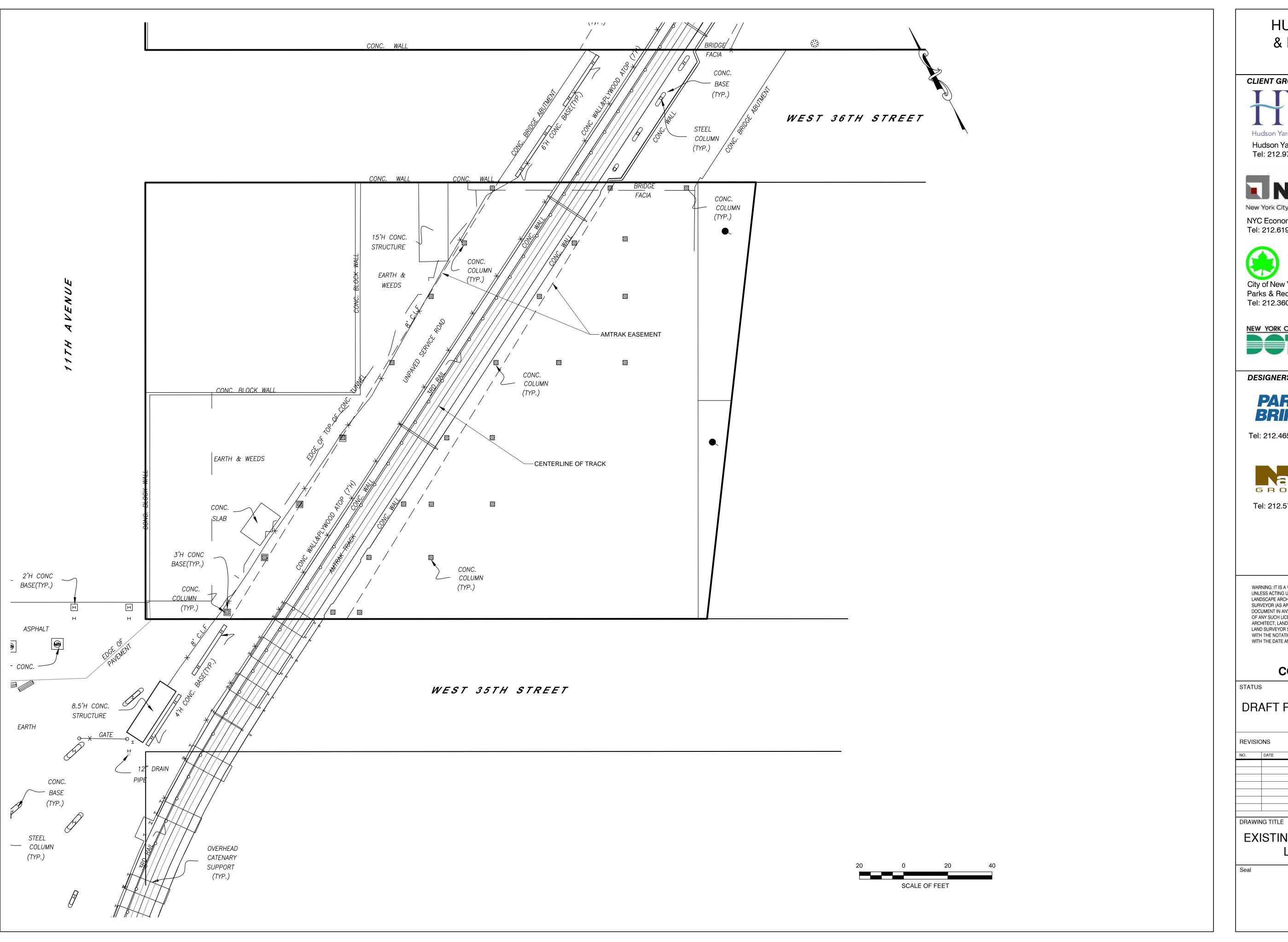
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EXISTING CONDITIONS PLAN UPPER LEVEL

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HUDSON PARK & BOULEVARD BLOCK 4

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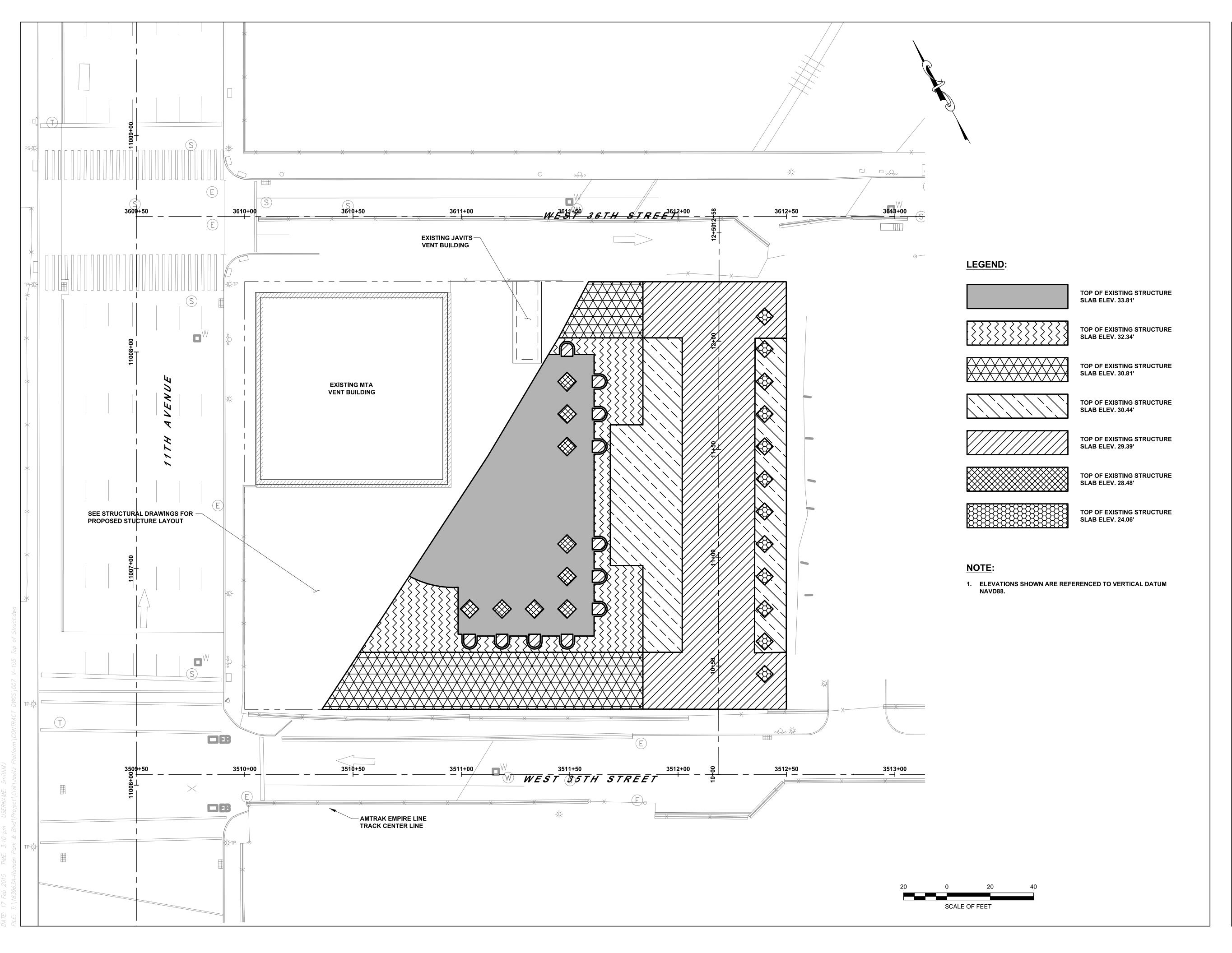
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NO	DATE	DECODIDATION	
NO.	DATE	DESCRIPTION	

EXISTING CONDITIONS PLAN LOWER LEVEL

Seal		
	DATE	01/21/2015
	SCALE	1" = 20'
	DRAWN BY	
	CHECKED BY	
	V-1	04
	SHEET NO	OF _



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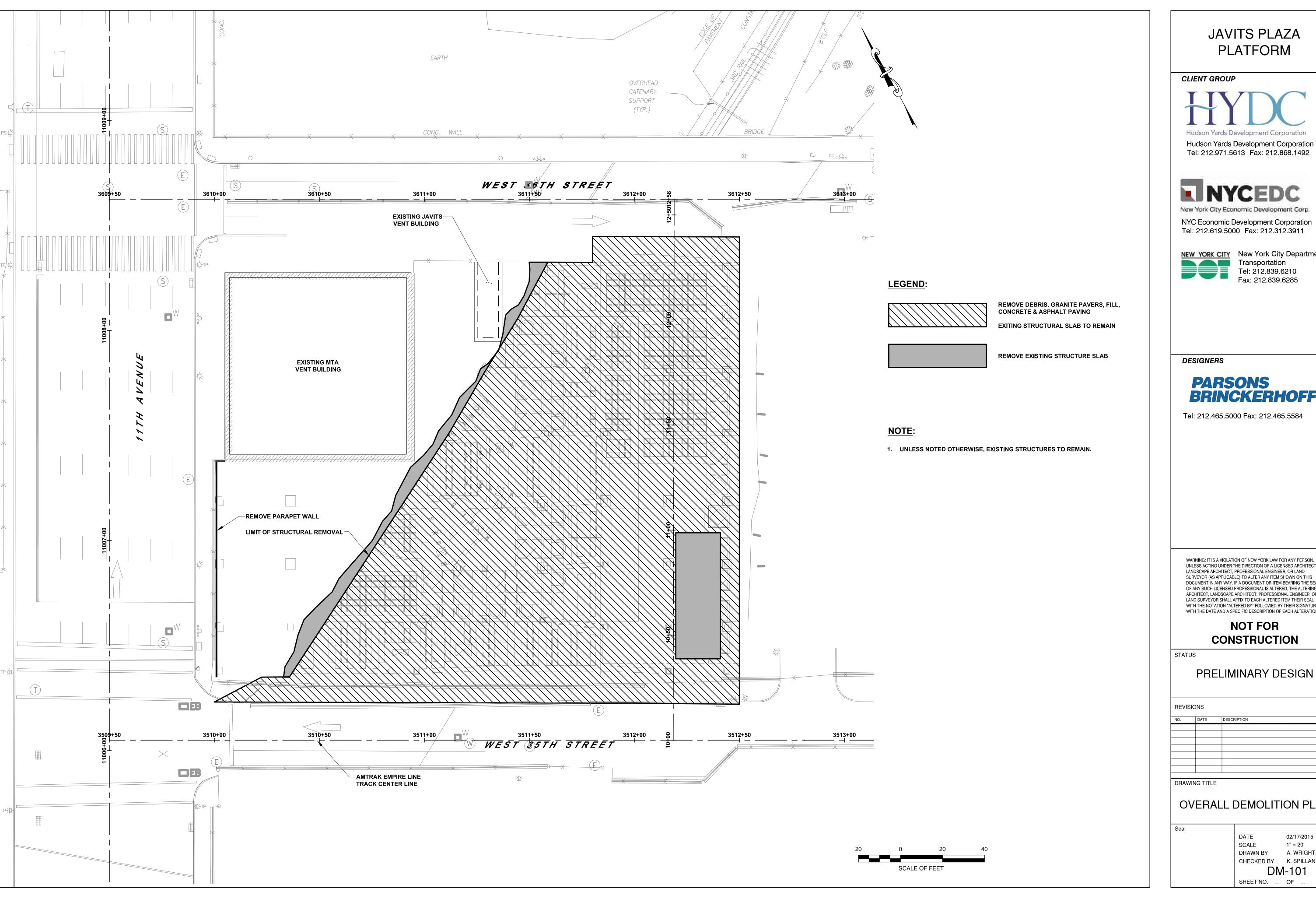
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TOP OF EXISTING STRUCTURE

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OVERALL DEMOLITION PLAN

02/17/2015 1" = 20' DRAWN BY A. WRIGHT CHECKED BY K. SPILLANE DM-101 SHEET NO. _ OF _

GENERAL

- 1.01 ELEVATION IS NAVD88.
- 1.02 BLOCK INTERIOR ANGLES, BLOCK LENGTHS AND LEGAL GRADES WERE OBTAINED FROM THE FINAL MAPS OF THE BOROUGH OF MANHATTAN.
- 1.03 EXISTING UNDERGROUND AND OVERHEAD UTILITIES AS SHOWN HERE HAVE BEEN DETERMINED BY STANDARD SURVEYING METHODS AND AVAILABLE RECORDS. NEITHER THE EXACT LOCATION NOR THE INFORMATION OF THESE EXISTING UTILITIES IS GUARANTEED TO BE COMPLETE OR CORRECT.
- 1.05 ALL COMMUNICATIONS AND COORDINATION MEETINGS RELATIVE TO THIS PROJECT BETWEEN THE CONTRACTOR AND ANY AGENCY, UTILITY COMPANY OR ORGANIZATION WILL BE CONDUCTED AND/OR APPROVED BY THE ENGINEER
- 1.08 ALL SHEETING PLACED UNDER THIS CONTRACT, NO MATTER UNDER WHICH ITEMS, SHALL BE REMOVED, AND THE COST SHALL BE DEEMED INCLUDED IN THE PRICES BID FOR ALL SCHEDULED ITEMS.
- 1.10 ALL HYDRANTS, LIGHT POLES, TREES OR OTHER FIXED OBJECTS THAT ARE TO BE CONSTRUCTED, PLANTED, RESET, OR RELOCATED AS A RESULT OF THE PROJECT SHALL BE CONSTRUCTED OR PLANTED SO AS TO PROVIDE AT LEAST ONE AND ONE HALF (1 1/2) FOOT CLEAR DISTANCE FROM THE FACE OF THE CURB TO THE FACE OF THE OBJECT.
- 1.11 AS A RESULT OF CURB RELOCATION WITHIN THE CONTRACT LIMITS, EXISTING STREET APPURTENANCES PROJECTING ABOVE PAVED SURFACES, SUCH AS HYDRANTS, LAMPPOSTS AND TRAFFIC SIGNAL POLES, BUS SHELTERS, ETC., WILL HAVE TO BE RELOCATED. NOT WITHSTANDING ANY CONSTRUCTION SEQUENCE AS DEFINED BY THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PLAN HIS CONSTRUCTION OPERATIONS TO INSURE THAT THESE APPURTENANCES ARE CONSTRUCTED OR RELOCATED IN CONJUNCTION WITH THE INSTALLATION OF THE

IN PARTICULAR, IN THE EVENT THE SIDEWALK IS WIDENED, THE STREET APPURTENANCES SHALL BE MAINTAINED AT THEIR EXISTING LOCATION BEHIND THE EXISTING CURB UNTIL THE NEW SIDEWALK IS CONSTRUCTED. IF THE SIDEWALK IS NARROWED, THE STREET APPURTENANCES MUST BE MOVED TO THEIR NEW LOCATIONS BEHIND THE PROPOSED NEW CURB PRIOR TO REMOVAL OF THE EXISTING CURB.

SERVICES MUST BE MAINTAINED BY INSTALLING AND ENERGIZING NEW APPURTENANCES OR BY USING TEMPORARY APPURTENANCES, AS DIRECTED BY THE ENGINEER. UNLESS OTHERWISE PROVIDED FOR, ALL TEMPORARY APPURTENANCES SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE CITY.

GRADING WORK

2.01 REMOVAL OF ALL SHRUBBERY, DEBRIS, FENCES, AND OTHER ENCROACHMENTS FOUND ON AND WITHIN THE CITY'S RIGHT OF WAY WHICH INTERFERE WITH THE NEW WORK ARE DEEMED INCLUDED IN THE PRICES BID FOR ALL SCHEDULED ITEMS, UNLESS OTHERWISE NOTED ON THE PLANS.

3. CURB WORK

- 3.01 CURBS AND DEPRESSED CURBS IN DRIVEWAYS ARE TO BE CONSTRUCTED WHERE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 3.05 WHERE NEW CURBING IS REQUIRED ADJACENT TO EXISTING CONCRETE SIDEWALK, WHICH IS NOT TO BE REPLACED, A CONCRETE SAW-CUT SHALL BE MADE ALONG A LINE PARALLEL TO AND TWO (2) FEET BACK FROM THE NEW CURB. THE COST OF THE SAW-CUT IS INCLUDED IN THE PRICES BID FOR THE CURB ITEMS.
- 3.07 TOP OF CURB ELEVATIONS AT CORNER PEDESTRIAN RAMPS SHALL BE ESTABLISHED IN CONJUNCTION WITH ROADWAY PAVEMENT CONSTRUCTION SO AS TO PROVIDE POSITIVE SURFACE DRAINAGE FROM THE APEX TOWARDS THE CATCH BASINS, WHERE APPLICABLE.

SIDEWALK WORK

- 4.01 SIDEWALK PEDESTRIAN RAMPS WITH EMBEDDED PREFORMED DETECABLE WARNING UNITS ARE TO BE INSTALLED AT ALL CORNERS, UNLESS OTHERWISE DIRECTED. THE COST FOR INSTALLATION OF PEDESTRIAN RAMPS SHALL BE PAID FOR UNDER THE SIDEWALK AND CURB ITEMS, AS APPLICABLE.
- 4.02 THE LOCATION AND THE EXTENT OF NEW SIDEWALK TO BE CONSTRUCTED IS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

5. <u>DRAINAGE WORK</u>

- 5.01 ALL PROPOSED DRAINAGE WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST STANDARDS OF THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION (N.Y.C.D.E.P.) BUREAU OF SEWERS.
- 5.02 ALL EXISTING SEWER MANHOLES WITHIN THE CONTRACT LIMITS SHALL BE ADJUSTED, AS NECESSARY, SO THAT THEY WILL BE FLUSH WITH THE FINISHED GRADES AFTER COMPLETION OF THE WORK. ANY MANHOLES WHICH HAVE DAMAGED, WORN OR NON-STANDARD FRAMES AND COVERS SHALL BE PROVIDED WITH NEW TWENTY-SEVEN (27) INCH CASTINGS IN ACCORDANCE WITH THE LATEST STANDARDS OF N.Y.C.D.E.P. BUREAU OF SEWERS.
- 5.03 ANY DAMAGE TO EXISTING SEWERS, MANHOLES, BASINS AND CONNECTIONS CAUSED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE CITY.
- 5.04 WHERE THE HEIGHT OF AN EXISTING MANHOLE PERMITS MORE THAN ONE BASIN CONNECTION TO BE MADE ON THE SAME WALL, SPECIAL PRECAUTION SHALL BE TAKEN TO PROTECT THE STRUCTURAL INTEGRITY OF THE MANHOLE. THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE WALLS OF ANY TWO BASIN CONNECTIONS OR BETWEEN A BASIN CONNECTION AND SEWER, VERTICALLY OR HORIZONTALLY, SHALL BE 12 INCHES.

- 5.05 THE COST OF RAISING OR LOWERING CITY OWNED MANHOLE, BASIN, AND INLET HEADS TO PROPOSED GRADES WILL BE DEEMED INCLUDED IN THE PRICES BID FOR ALL THE SCHEDULED ITEMS WHEN THE VERTICAL UPWARD MOVEMENT OF ALL HEADS IS TWENTY FOUR (24) INCHES OR LESS, WHEN THE VERTICAL DOWNWARD MOVEMENT OF MANHOLE HEADS IS SIX (6) INCHES OR LESS, AND WHEN THE VERTICAL DOWNWARD MOVEMENT OF BASIN HEADS IS THREE (3) INCHES OR LESS, UNLESS OTHERWISE PROVIDED OR DIRECTED, AND WHERE THE ADJUSTMENT IS WITHIN THE BRICK WORK LIMIT. WHEN THE EXISTING STRUCTURE CONSISTS OF A BRICK CHIMNEY OR A CONCRETE ROOF SLAB OR BRICK ON CONCRETE WALLS, THE MAXIMUM ALLOWABLE HEIGHT OF BRICK, AFTER ADJUSTMENT, SHALL BE TWENTY-FOUR (24) INCHES. ALL OTHER ADJUSTMENTS WILL BE PAID FOR UNDER THE APPROPRIATE MANHOLE, BASIN, OR INLET MODIFICATION ITEMS.
- 5.06 ALL EXISTING SEWERS, MANHOLES, BASINS, AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS THERETO ARE TO BE REPAIRED, IF DAMAGED.
- 5.07 ALL EXISTING BASINS AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS THERETO ARE TO BE CLEANED, FLUSHED AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF THE ENGINEER, ITEM NO. 6.50. WHERE THE EXISTING BASIN CONNECTIONS ARE FOUND TO BE DAMAGED OR IN DETERIORATING CONDITION THEY SHOULD BE REPLACED WITH NEW 12" DIAMETER DUCTILE IRON PIPE IN ACCORDANCE WITH THE N.Y.C.D.E.P. BUREAU OF SEWERS STANDARDS (ITEM NO. 52.11D12).
- 5.08 CATCH BASINS SHALL NOT, UNDER ANY CIRCUMSTANCES, BE CONNECTED TO A SANITARY SEWER. CATCH BASINS SHALL NOT BE LOCATED WITHIN PEDESTRIAN CROSSWALKS.
- 5.09 ALL NEW CATCH BASIN CONNECTIONS SHALL BE MADE TO EXISTING SEWERS AT MANHOLES, WITH 12" DIAMETER DUCTILE IRON PIPE, CLASS 56, WITH INTERNALLY LOCKED "PUSH-ON" JOINTS LAID ON 6" OF BROKEN STONE FOR THE ENTIRE WIDTH OF THE TRENCH AND FOR ONE-HALF THE PIPE DIAMETER. THE BROKEN STONE SHALL BE HARD, UN-WEATHERED STONE, UNIFORMLY GRADED FROM 1/4" TO 3/4" IN DIAMETER. IT SHALL CONFORM TO COMMERCIAL 1/4" TO 3/4" STONE. ALL NEW CATCH BASINS SHALL HAVE A HOOD ON THE OUTLET PIPE.
- 5.10 ALL CATCH BASINS SHALL BE TYPE 1 UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ALL CATCH BASIN SHALL BE INSTALLED 8" BELOW TOP OF CURB.
- 5.11 SLOPE ON ALL NEW CATCH BASIN CONNECTIONS SHALL BE A MINIMUM OF 1/2% AND A MAXIMUM OF 4%, PROVIDED THE TOTAL DROP BETWEEN BASIN AND BASIN/ MANHOLE SHALL BE AT LEAST SIX (6) INCHES.
- 5.12 WHERE THE CONTRACT DRAWINGS SPECIFY A NEW CATCH BASIN IN THE SAME LOCATION AS THE EXISTING CATCH BASIN AND THE CONTRACTOR ELECTS, FOR HIS OWN CONVENIENCE, TO RELOCATE THE NEW CATCH BASIN ADJACENT TO THE PRE-EXISTING LOCATION WHILE MAINTAINING BASIN AND PIPE CONNECTION, THE CONTRACTOR SHALL PERFORM ALL WORK ASSOCIATED WITH ABANDONING THE EXISTING BASIN, AS PER SECTION 5.21 OF THE STANDARD SEWER SPECIFICATIONS, AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST BID FOR NEW BASINS, AND MANHOLES UNLESS OTHR NOTED ON THE PLANS.
- 5.13 ALL EXISTING SEWER HOUSE CONNECTIONS SHOULD BE CONTINUOUSLY MAINTAINED DURING ALL STAGES OF CONSTRUCTION. IF ANY HOUSE CONNECTION MUST BE DISCONNECTED FOR CONSTRUCTION PURPOSES, FLOW MUST BE MAINTAINED BY FLUMING OR OTHER SUITABLE MEANS AS DIRECTED BY THE ENGINEER AND IN SUCH A MANNER THAT NO BACK-UPS OCCUR. ANY AND ALL EXISTING SEWERS, HOUSE CONNECTIONS OR OTHER SEWER APPURTENANCES WHICH ARE TO REMAIN, AND WHICH MUST BE DISTURBED FOR CONSTRUCTION PURPOSES, SHALL BE RESTORED TO THEIR PRESENT CONDITION AFTER COMPLETION OF THE WORK, AND ANY DAMAGE ONE AS A RESULT OF THE WORK SHALL BE REPAIRED AT NO COST TO THE CITY.
- 5.14 CATCH BASINS IN THE PROJECT AREA SHALL BE MAINTAINED OPERABLE AT ALL TIMES. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID CLOGGING CATCH BASINS WITH DEBRIS DURING THE CONTRACTOR'S OPERATIONS. IF, AS A RESULT OF CONSTRUCTION, A FLOODING CONDITION OCCURS OR IN THE EVENT THE CONTRACTOR'S OPERATIONS DAMAGE OR BLOCK THE DRAINAGE SYSTEM. THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE IMMEDIATELY REPAIR OR RESTORE THE DRAINAGE SYSTEM AS DIRECTED BY THE ENGINEER AT NO EXTRA COST TO THE
- 5.15 ALL SOIL DENSITY TESTING, CONSISTING OF BOTH PROCTOR ANALYSIS OF SOIL SAMPLES AND IN-PLACE SOIL DENSITY TESTS, TO BE PERFORMED DURING THE BACKFILLING OF SEWER TRENCHES SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 4.06.3 AND 4.06.4 OF THE STANDARD SEWER SPECIFICATIONS. THE COST OF THIS WORK SHALL BE DEEMED INCLUDED IN THE UNIT PRICES BID FOR LAYING THE VARIOUS SEWER PIPES. NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

WATER MAIN WORK

- 6.01 THE CONTRACTOR SHALL LOCATE ALL EXISTING WATER MAINS VALVE BOX HEADS, AND SHALL INDICATE THEM IN THE FIELD TO THE SATISFACTION OF THE ENGINEER. FURTHERMORE, THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE/SHE WILL BE RESPONSIBLE FOR THE REPLACEMENT AND RESETTING OF ALL VALVE BOXES WHICH ARE DAMAGED OR DISTURBED AS A RESULT OF HIS/HER OPERATIONS.
- 6.02 EXISTING WATER HYDRANTS ARE TO BE RELOCATED AS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER, AND IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER SUPPLY.
- 6.03 ALL NEW WATER MAIN WORK IS TO BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE N.Y.C.D.E.P. BUREAU OF WATER & SEWER OPERATIONS.

6.05 FOR WATER MAINS CROSSING EXISTING SEWERS:

WHEREVER THE CLEARANCE BETWEEN THE TOP OF AN EXISTING SEWER AND THE BOTTOM OF THE PROPOSED WATER MAIN, AT THEIR CROSSING, IS LESS THAN 1.0', THE WATER MAIN IS TO BE SUPPORTED BY A TRUSS ARRANGEMENT AND THE CLEARANCE SPACE IS TO BE FILLED WITH LAYERS OF COMPRESSIBLE MATERIAL TO AVOID EXCESSIVE BEARING PRESSURE ON THE SEWER PIPE. IN NO CASE, HOWEVER, SHOULD THIS CLEARANCE BE LESS THAN 6".

- 6.06 ALL HORIZONTAL CLEARANCE BETWEEN NEW WATER MAINS INSTALLED PARALLEL TO EXISTING SEWERS ARE TO CONFORM TO THE FOLLOWING:
 - A. HORIZONTAL CLEARANCE BETWEEN THE OUTSIDE OF NEW WATER MAINS AND CENTER LINE OF SEWER SHALL NOT BE LESS THAN 6 FEET PLUS ONE HALF SEWER DIAMETER, WHERE THE DEPTH TO THE BOTTOM OF THE SEWER CRADLE IS LESS THAN 10 FEET.
 - B. WHERE THE DEPTH TO THE BOTTOM OF SEWER CRADLE IS 10 FEET OR MORE, THE HORIZONTAL CLEARANCE SHALL BE INCREASED BY 1 FOOT FOR EACH ADDITIONAL 5 FEET OF DEPTH OVER THE 10 FEET, OR PORTION THEREOF.

- 6.07 WHERE A HYDRANT TO BE RELOCATED OR RESET IS NOT OF A BREAKAWAY TYPE, IT SHALL BE REPLACED WITH A BREAKAWAY TYPE HYDRANT.
- 6.08 THE CONTRACTOR SHALL ADJUST ALL HYDRANT VALVE BOXES AND MAIN LINE VALVE BOXES TO THE NEW GRADE.
- 6.09 THE CONTRACTOR SHALL PROVIDE AND INSTALL HYDRANT FENDERS AT ALL HYDRANTS WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE BUREAU OF WATER SUPPLY STANDARDS.
- 6.10 THE CONTRACTOR SHALL NOTIFY THE N.Y.C.D.E.P. BUREAU OF WATER & SEWER OPERATIONS 72 HOURS PRIOR TO THE START OF HYDRANT WORK.
- 6.14 ALL SOIL DENSITY TESTING, CONSISTING OF BOTH PROCTOR ANALYSIS OF SOIL SAMPLES AND IN-PLACE SOIL DENSITY TESTS, TO BE PERFORMED DURING THE BACKFILLING OF WATER MAIN TRENCHES SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 7.12 OF THE STANDARD HIGHWAY SPECIFICATIONS. THE COST OF THIS WORK SHALL BE DEEMED INCLUDED IN THE UNIT PRICES BID FOR LAYING THE VARIOUS WATER MAIN PIPES. NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.

7. TRAFFIC WORK

- 7.01 "REGULATORY" AND/OR "NO PARKING-CONSTRUCTION" SIGNS USED DURING THE CONSTRUCTION PERIOD ARE TO BE FURNISHED BY THE CONTRACTOR, AS REQUIRED. THE CONTRACTOR SHALL INSTALL THESE SIGNS WHERE DIRECTED BY THE ENGINEER, AND, WHEN NO LONGER REQUIRED, SHALL CAREFULLY REMOVE THESE SIGNS AND DELIVER THEM TO THE BUREAU OF TRAFFIC. THESE SIGNS WILL BE MEASURED FOR PAYMENT UNDER ITEM 6.25 RS. THE COST OF SAID REMOVING AND DELIVERING SHALL BE DEEMED INCLUDED IN THE PRICE BID FOR ITEM 6.25 RS. A CREDIT OF \$50 WILL BE TAKEN FOR EACH SIGN NOT SO DELIVERED. RELOCATION OF SIGNS SHALL NOT ENTITLE THE CONTRACTOR TO ADDITIONAL PAYMENT.
- 7.02 THE ENGINEER SHALL NOTIFY THE BUREAU OF TRAFFIC OPERATION. HIGHWAY CONTROL DIVISION (718-433-3169) TO VERIFY ALL THERMOPLASTIC PAVEMENT MARKINGS DETAIL DRAWINGS SEVEN (7) CALENDAR DAYS PRIOR TO THE START OF WORK ON PAVEMENT MARKINGS.
- 7.04 ALL REGULATORY AND WARNING TRAFFIC SIGNS SHALL CONFORM WITH THE NEW YORK CITY BUREAU OF TRAFFIC OPERATIONS STANDARD DRAWINGS AND THEIR STANDARD SIGN LIST.
- 7.05 FOR ADDITIONAL NOTES ON MAINTENANCE OF TRAFFIC SEE THE MAINTENANCE AND PROTECTION OF TRAFFIC DRAWINGS FOR THIS CONTRACT.

9. OTHER UTILITIES WORK

- 9.01 THE CONTRACTOR IS ALERTED TO THE RULES AND REGULATIONS OF INDUSTRIAL CODE RULE 53 AND IS DIRECTED TO COMPLY. THE CITY SHALL NOT BE LIABLE FOR ANY COSTS INCURRED BY THE CONTRACTOR AS A RESULT OF THE COMPLIANCE, NON-COMPLIANCE, OR IMPROPER COMPLIANCE BY THE FRANCHISED OPERATORS OF UNDERGROUND FACILITIES, WITH SUB- PART 53-3 OF RULE 53 OF THE INDUSTRIAL
- 9.02 CON EDISON, NATIONAL GRID, EMPIRE CITY SUBWAY, AND VERIZON FACILITIES ARE LOCATED WITHIN THE PROJECT LIMITS. AS A RESULT OF THIS PROJECT, THESE PRIVATE UTILITIES WILL BE REQUIRED TO PROTECT, REMOVE, REPLACE OR RELOCATE SOME OR ALL OF THEIR FACILITIES. THIS WORK WILL BE PERFORMED BY THEM OR THEIR AGENTS AT THEIR EXPENSE. CONTRACTOR TO COORDINATE ACTIVITIES WITH
- 9.03 REFER TO LIGHTING PLAN FOR EXISTING LIGHTING REMOVAL AND NEW LIGHTING
- 9.04 THE ENGINEER WILL CONTACT THE SPECIAL PROJECT UNIT COMMUNICATIONS DIVISION OF THE POLICE DEPARTMENT (212-374-5900) IF ANY RELOCATION OR DISCONNECTION OF POLICE DEPARTMENT FACILITIES IS REQUIRED.

10. PAVEMENT WORK

- 10.01 ALL HEADERS ABUTTING NEW PAVEMENT SHALL BE REMOVED WHERE DIRECTED BY THE ENGINEER: THE PRICE OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR EXCAVATION.
- 10.02 ASPHALTIC CONCRETE MIXTURE IS TO BE USED IN THE AREAS OF ADJUSTMENT, AND AS DIRECTED BY THE ENGINEER (SEE ITEM NO. 4.02 CB).
- 10.03 FINISHED ROADWAY PAVEMENT AT THE APEX OF ALL CORNERS SHALL BE CONSTRUCTED TO ELEVATIONS SO AS TO PROVIDE POSITIVE SURFACE DRAINAGE FROM THE APEX TOWARDS THE CATCH BASINS, WHERE APPLICABLE.

11. STREET LIGHTING WORK

- 11.01 THE CONTRACTOR SHALL FURNISH, INSTALL, AND REMOVE ALL NECESSARY STREET LIGHTING EQUIPMENT PRIOR TO NEW PAVING.
- 11.02 NEW INSTALLATION SHALL BE ENERGIZED BEFORE THE REMOVAL OF EXISTING POLES.
- 11.03 THE CONTRACTOR SHALL NOTIFY NYC DEPARTMENT OF TRANSPORTATION THE BUREAU OF TRAFFIC OPERATIONS, AT LEAST 72 HOURS PRIOR TO THE START OF WORK: (718) 786-5822.
- 11.04 ANY DAMAGE TO THE EXISTING STREET LIGHTING EQUIPMENT, AS A RESULT OF THE CONTRACTORS WORK AND/OR WORK FORCE, SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT NO COST TO THE CITY.

JAVITS PLAZA PLATFORM

CLIENT GROUP





New York City Economic Development Corp.

NYC Economic Development Corporation Tel: 212.619.5000 Fax: 212.312.3911



NEW YORK CITY New York City Department of Transportation Tel: 212.839.6210 Fax: 212.839.6285

DESIGNERS



Tel: 212.465.5000 Fax: 212.465.5584

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NOT FOR CONSTRUCTION

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION	
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DRAWING TITLE

CIVIL NOTES

02/17/2015 SCALE NO SCALE DRAWN BY A. WRIGHT CHECKED BY K. SPILLANE C-001

LIST OF STANDARD REFERENCE DRAWINGS:

THE LATEST REVISIONS OF THE APPLICABLE STANDARDS AND REFERENCE DRAWINGS AUTHORIZES AS OF THE BID ADVERTISEMENT DATE SHALL BE CONSIDERED PART OF THESE CONTRACT DOCUMENTS. THESE INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

STD. DWG. NO.	<u>TITLE</u>	<u>AGENCY</u>
H-1004	TYPICAL TEMPORARY PEDESTRIAN PASSAGEWAY IN ROADWAY AREA DURING CONSTRUCTION	DOT-HIGHWAYS
H-1010	STEEL FACED CONCRETE CURB STEEL FACING TYPE D	DOT-HIGHWAYS
H-1011	SIDEWALK PEDESTRIAN RAMPS	DOT-HIGHWAYS
H-1014	TEMPORARY PEDESTRIAN STEEL BARRICADE	DOT-HIGHWAYS
H-1031	TYPICAL PAVEMENT KEY	DOT-HIGHWAYS
H-1033	TYPICAL RESURFACING ON ASPHALT PAVEMENT AND/OR WEARING COURSE (LESS THAN FULL WIDTH)	DOT-HIGHWAYS
H-1034	TYPICAL CONSTRUCTION JOINTS FOR CONCRETE BASE FOR PAVEMENT	DOT-HIGHWAYS
H-1040	TRANSVERSE CONSTRUCTION JOINTS FOR CONCRETE BASE	DOT-HIGHWAYS
H-1042A	STANDARD TRENCH OR HOLE RESTORATION FOR STREETS PROTECTED BY NYC ADMIN. CODE 19-144	DOT-HIGHWAYS
H-1043	STEEL FACED CURB STEEL FACING TYPE D FOR STRUCTURES	DOT-HIGHWAYS
H-1045	CONCRETE SIDEWALK	DOT-HIGHWAYS
H-1046A	PROTECTIVE TREE BARRIER	DOT-HIGHWAYS
H-1049	PLASTIC BARREL	DOT-HIGHWAYS
H-1053	DETAILS FOR CONSTRUCTING AREAS OF ADJUSTMENT AND TRANSITION SECTIONS	DOT-HIGHWAYS
H-1054	LIMITS OF MEASUREMENT FOR PAYMENT OF TEMPORARY ASPHALT PAVEMENT	DOT-HIGHWAYS
H-1055	PAVEMENT KEY - TYPE A, B-1, B-2, C	DOT-HIGHWAYS
MS-1000	NEW YORK CITY COMPARISON OF DATUM PLANES	DOT-HIGHWAYS
MS-1003	TYPICAL RESURFACING ROADWAY CROSS-SECTION	DOT-HIGHWAYS
MS-1004	CATCH BASIN ADJUSTMENT - TYPE 2	DOT-HIGHWAYS
MS-1005	ADJUSTMENTS AT CATCH BASINS	DOT-HIGHWAYS
TAR-1	TYPICAL PAVEMENT MARKINGS, LANE ARROWS	DOT-TRAFFIC
TCW-1	TYPICAL PAVEMENT MARKINGS, PEDESTRIANS CROSSWALKS, AND STRIPING	DOT-TRAFFIC
TIN-1	TYPICAL PAVEMENT MARKINGS INSTALLATION	DOT-TRAFFIC
LC-302	TYPE "M-2" MAST ARM POST ARRANGEMENT DRAWING	DOT-SIGNALS

LIST OF REFERENCE SPECIFICATIONS AND STANDARDS:

THE LATEST REVISIONS OF THE FOLLOWING STANDARD SPECIFICATIONS AUTHORIZED AS OF THE BID ADVERTISEMENT DATE ARE INCLUDED BY REFERENCE IN THESE PLANS:

- 1. STANDARD HIGHWAY SPECIFICATIONS OF THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION
- 2. NEW YORK CITY DEPARTMENT OF TRANSPORTATION, TRAFFIC OPERATIONS, GEOMETRIC DESIGN UNIT, STANDARD MARKING SPECIFICATIONS
- 3. NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS (US CUSTOMARY UNITS)
- 4. NEW YORK STATE DEPARTMENT OF TRANSPORTATION, BRIDGE MANUAL (US CUSTOMARY EDITION)
- 5. NEW YORK CITY DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC, DIVISION OF STREET LIGHTING
- 6. NEW YORK CITY FIRE DEPARTMENT, BUREAU OF FIRE ALARM COMMUNICATIONS DESIGN STANDARDS AND SPECIFICATIONS
- 7. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 2009 EDITION. US DOT, FHWA (MUTCD) and 17 NYCRR CHAPTER V, 2010 EDITION, NYSDOT (NEW YORK SUPPLEMENT)
- 8. APPLICABLE STANDARDS, SPECIFICATIONS AND REQUIREMENTS OF THE PRIVATES UTILITY COMPANIES, INCLUDING CON EDISON CO. OF NEW YORK, VERIZON, TIME WARNER CABLE TV, AND RCN CABLE TV

JAVITS PLAZA PLATFORM

CLIENT GROUP





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PRELIMINARY DESIGN

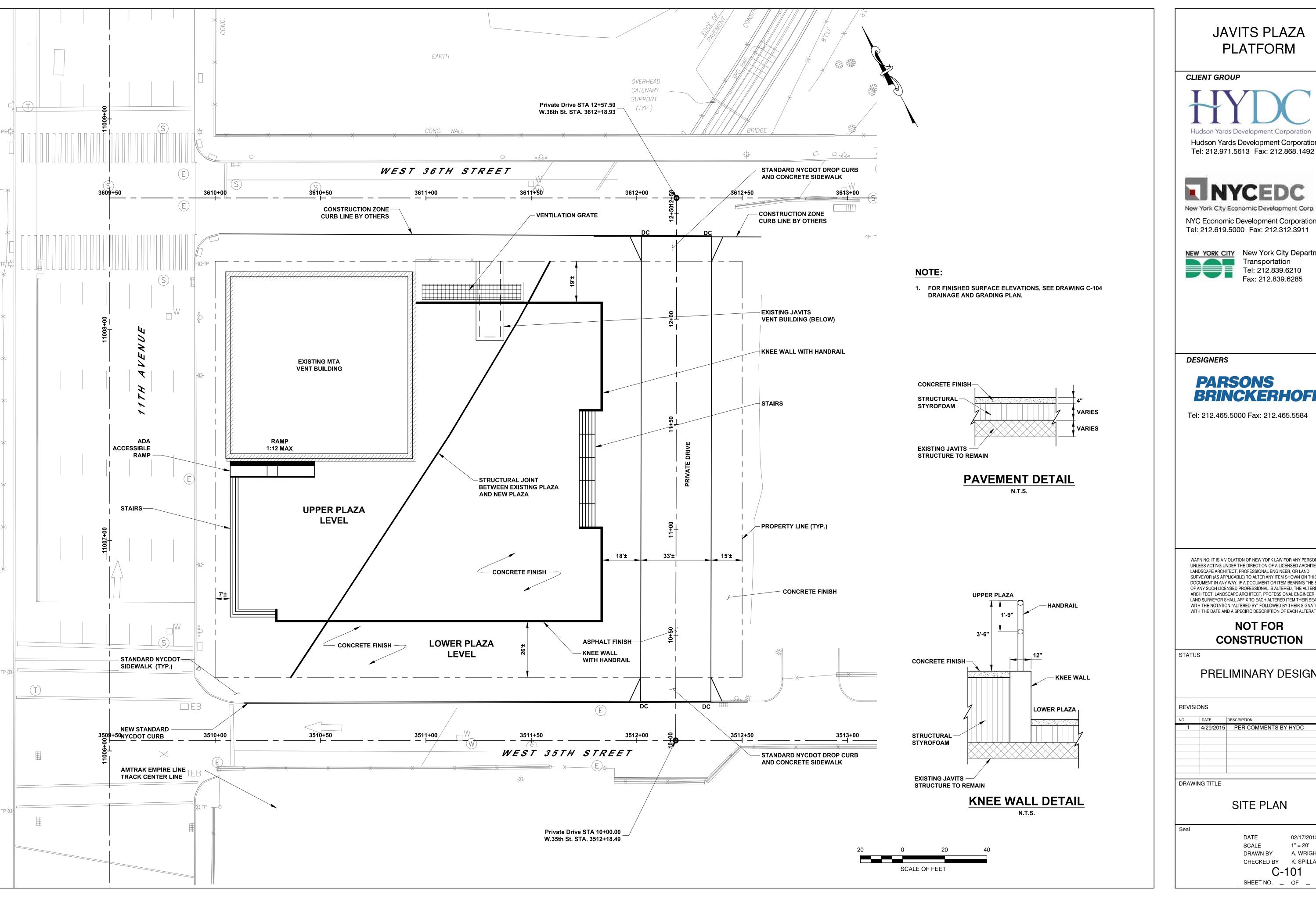
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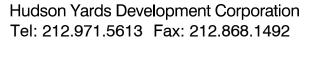
DRAWING TITLE

LIST OF NYC STANDARD DRAWINGS

02/17/2015 NO SCALE SCALE DRAWN BY A. WRIGHT CHECKED BY K. SPILLANE C-002







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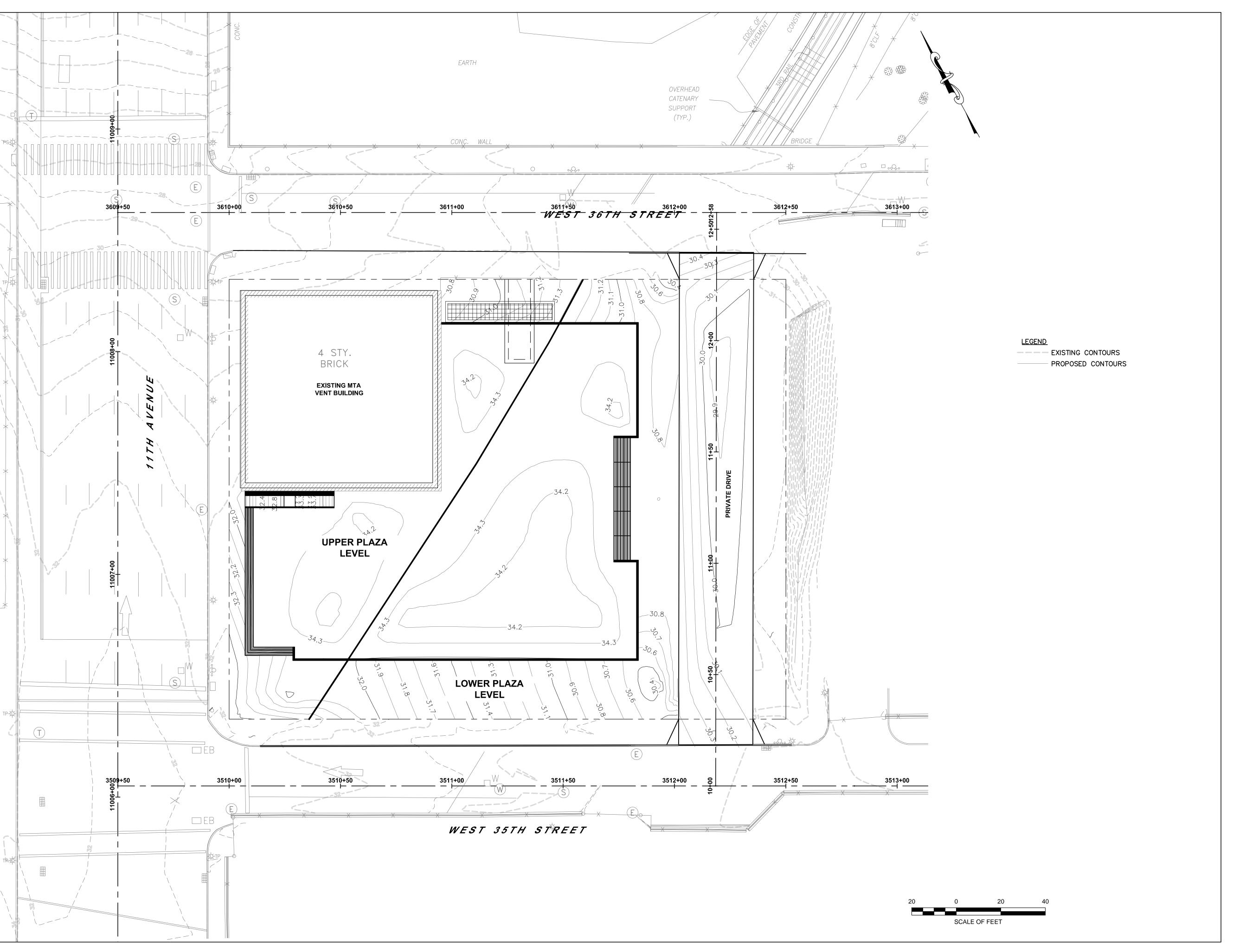
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NO.	DATE	DESCRIPTION
1	4/29/2015	PER COMMENTS BY HYDC
DRAWIN	IG TITLE	

SITE PLAN

02/17/2015 SCALE 1" = 20' A. WRIGHT DRAWN BY CHECKED BY K. SPILLANE C-101



CLIENT GROUP



Tel: 212.971.5613 Fax: 212.868.1492



New York City Economic Development Corp.

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STATUS

PRELIMINARY DESIGN

REVISIONS

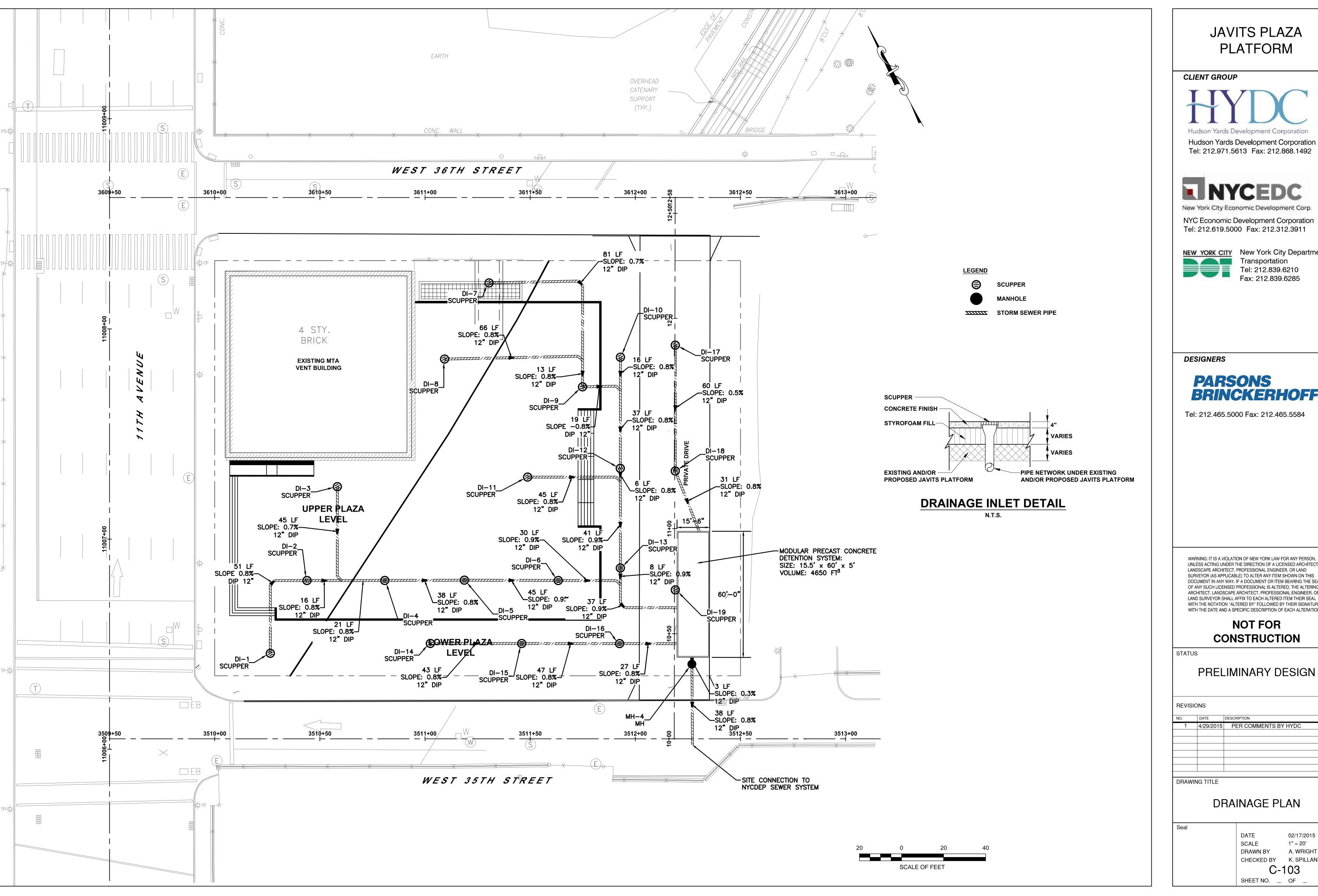
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1	4/29/2015	PER COMMENTS BY HYDC
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DRAWING TITLE

GRADING PLAN

DATE 02/17/2015
SCALE 1" = 20'
DRAWN BY A. WRIGHT
CHECKED BY K. SPILLANE

C-102



CLIENT GROUP





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NO.	DATE	DESCRIPTION
1	4/29/2015	PER COMMENTS BY HYDC
DRAWIN	IG TITLE	

DRAINAGE PLAN

02/17/2015 1" = 20' SCALE A. WRIGHT DRAWN BY CHECKED BY K. SPILLANE C-103 SHEET NO. _ OF _

STANDARD ABBREVIATIONS

THE LIST OF ABBREVIATIONS GIVEN BELOW IS NOT COMPREHENSIVE; THESE ABBREVIATIONS MAY OR MAY NOT BE INCORPORATED INTO THE CONTRACT DOCUMENTS AND ABBREVIATIONS NOT LISTED MAY BE USED. PERIODS MAY OR MAY NOT BE SHOWN AFTER THE ABBREVIATION.

ABBREVIATIONS ARE GIVEN USUALLY FOR THE SINGULAR CASE — FOR THE PLURAL CASE, THE SAME ABBREVIATION WITHOUT ADDING THE 'S' MAY BE USED. WHILE UPPER CASE LETTERS ARE SHOWN, EITHER UPPER CASE OR LOWER CASE LETTERS MAY BE USED IN SPECIFICATIONS.

THE FOLLOWING IS LISTED ALPHABETICALLY BY ABBREVIATION.

ABBREVIATION	COMPLETE WORD
ADDIVENIATION	OOMI LETE WORD

ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASD	ALLOWABLE STRESS DESIGN
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BF	BOTH FACES
BLDG	BUILDING
ВОТ	BOTTOM
BRG	BEARING
BS	BOTH SIDES
C	CHANNEL
C TO C	CENTER TO CENTER
CG	CENTER OF GRAVITY
CIP	CAST—IN—PLACE (CONCRETE)
CJP	COMPLETE JOINT PENETRATION (WELD)
CL	CENTER LINE
CLR	CLEAR, CLEARANCE
COL	COLUMN
CONC	CONCRETE
CONSTR JT	CONSTRUCTION JOINT
CONT	CONTINUOUS, CONTINUE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CTR	CENTER
CTRL JT, also CONTROL JT	CONTROL JOINT
CU FT, also FT3	CUBIC FOOT
CU IN, also IN3	CUBIC INCH
CU YD, also YD3	CUBIC YARD
D	DEEP, DEPTH
D, also DL	DEAD LOAD
DEFL	DEFLECT (ION)
DEG	DEGREE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
E	EAST
Ē	MODULUS OF ELASTICITY

EAST—WEST

ELEVATION

ELEVATOR

EQUIPMENT

EQUIVALENT

EXPANSION JOINT

EACH WAY

EXISTING

EXTERIOR

EQUAL

EACH EACH FACE

E-W

ELEV

EQUIP

EQUIV

EQ

EW

EXT

EXIST

EXP JT

EΑ

FF	FAR FACE
FIG	FIGURE
FL	FLOOR, FLOOR LINE
FP	FIREPROOFING
FS	FAR SIDE
FT	FOOT
FY	YIELD STRESS (STEEL)
GALV	GALVANIZE(D)
GEN	GENERAL
H	HORIZONTAL (FORCE)
HEX	HEXAGON, HEXAGONAL
HOR, also HORIZ	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE(D), INCLUDING
INT	INTERIOR
JT	JOINT
K	KIP
K—FT	KIP—FEET
KLF	KIPS PER LINEAR FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	LENGTH
L, also LL	LIVE LOAD
LB	POUND
LIN	LINEAR
LP	LOW POINT
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
LSL	LONG—SLOTTED (BOLT HOLE)
LT	LIGHT
LW	LIGHTWEIGHT
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MEMB	MEMBER
MEZZ	MEZZANINE
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
N N	NORTH
N—S	NORTH—SOUTH
NEG NF	NEGATIVE
NF NO	NEAR FACE
NOM	NUMBER NOMINAL
NR	NOT REDUCIBLE (LIVE LOAD)
NS	NEAR SIDE
NTS	NOT TO SCALE
0 TO 0	OUT TO OUT
OC	ON CENTER(S)
OD	OUTSIDE DIAMETER
OF	OUTSIDE DIAMETER OUTSIDE FACE
OPP	OPPOSITE
OSL	OUTSTANDING LEG
OVS	OVERSIZE (ROUND BOLT HOLE)

PCF POUNDS PER CUBIC FOOT PERM PERMANENT PERP PERPENDICULAR PLF POUNDS PER LINEAL FOOT **PRELIM** PRELIMINARY PS PRESTRESS(ED) PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT POINT POLYVINYL CHLORIDE PVC **RADIUS** REBAR REINFORCING BAR REF REFERENCE REINF REINFORCE(D), REINFORCING, REINFORCEMENT RELOC RELOCATE REQUIRED REQD REVISE(D), REVISION REV SOUTH SDL SUPERIMPOSED DEAD LOAD SEC SECOND SECT SECTION SHT SHEET SIM SIMILAR SLOT SLOT, SLOTTED SPEC SPECIFICATION(S) SQ SQUARE SQ FT, also FT 2 **SQUARE FOOT** SQ IN, also IN 2 **SQUARE INCH** STAINLESS STEEL SSL SHORT—SLOTTED (BOLT HOLE) STAG STAGGER(ED) STD STANDARD STIFF STIFFENER STIR STIRRUP STL STEEL STRUCT STRUCTURAL **SQUARE YARD** SY SYM SYMMETRY, SYMMETRICAL **TEMP TEMPERATURE TEMP TEMPORARY** THK THICK, THICKNESS THRU THROUGH TOC TOP OF CONCRETE TOS **TOP OF STEEL** TS TUBE (STRUCTURAL) **TSF** TONS PER SQUARE FOOT (TYP.) **TYPICAL** ULT ULTIMATE **UNLESS OTHERWISE NOTED** UON **VERTICAL (REACTION OR FORCE)**

VERTICAL

WIDE FLANGE

WORK POINT, WORKING POINT

DOUBLE EXTRA STRONG (PIPE)

WELDED WIRE FABRIC

EXTRA STRONG (PIPE)

WIND LOAD

WEST

WIDE

WIDTH

WITH

WITHOUT

WASHER

WEIGHT

YARD

VERT

W/O

WP

WT

XS XXS

YD

WWF

WASH

W, also WL

SYMBOLS USED AS ABBREVIATIONS

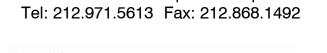
ANGLE @X AT X (LENGTH UNIT) ON CENTER CHANNEL 2 CHANNELS DEGREE, MINUTE, SECOND FOOT, INCH NUMBER PERPENDICULAR **ROUND OR DIAMETER** 2 ANGLES, LONG LEGS BACK TO BACK 2 ANGLES, SHORT LEGS BACK TO BACK

SQUARE

JAVITS PLAZA PLATFORM

CLIENT GROUP







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NOT FOR CONSTRUCTION

PRELIMINARY DESIGN

REVISIONS				
NO.	DATE	DESCRIPTION		

DRAWING TITLE

STANDARD ABBREVIATIONS

02/13/2015 SCALE AS SHOWN DRAWN BY M. JAYAKUMAR CHECKED BY S. QASIM S-001

GENERAL STRUCTURAL NOTES

- 1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, HEREINAFTER REFERRED TO AS BUILDING CODE, WITH THE SPECIFICATIONS, AND WITH THE REGULATIONS OF ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.
- 2. CONTRACTOR SHALL KEEP AT LEAST ONE FULL COPY OF THE FOLLOWING DOCUMENTS IN THE FIELD OFFICE AT ALL TIMES:
 - A. BUILDING CODE.
 - FIELD REFERENCE MANUAL: STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-99, WITH SELECTED ACI AND ASTM REFERENCES, ACI FIELD REFERENCE MANUAL, SP-15 (99).

3. SPECIFICATIONS

- A. THE SPECIFICATION SECTIONS 03300, 05100, 05300 AND ALL OTHER SECTIONS OF THE SPECIFICATIONS ARE BINDING ON CONTRACTOR AS THOUGH COPIED, WORD-FOR-WORD, DIRECTLY INTO THE DRAWINGS.
- 4. STRUCTURAL DESIGN CRITERIA IS FOR GENERAL INFORMATION ONLY AND IS PROVIDED FOR OWNER'S USE.

5. REFERENCE DOCUMENTS

- A. THE GEOTECHNICAL REPORT AND PREPAREDBY PB PROVIDED THE CRITERIA FOR THE FOUNDATION DESIGN.
- B. DRAWINGS OF MTA #7 (FLUSHING) LINE EXTENSION.
- C. SITE SURVEY PREPARED BY NAIK SURVEYING
- D. THE EXISTING CONDITIONS REPORT FOR HUDSON PARK AND BOULEVARD DATED JANUARY 2011, AND PREPARED BY LANGAN **ENGINEERING AND ENVIRONMENTAL SERVICES.**
- E. DOT STANDARD DETAILS.

6. GENERAL REQUIREMENTS

- A. HOLES SHALL NOT BE CUT OR DRILLED INTO EXISTING OR NEW STRUCTURAL MEMBERS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- B. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CORRECTNESS OF DIMENSIONS AND QUANTITIES AND FOR THE FITTING TO OTHER WORK; FOR WORK TO BE CONFIRMED AND CORRELATED AT THE SITE; FOR INFORMATION PERTAINING TO THE FABRICATION PROCEDURE OR TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION; AND FOR THE COORDINATION OF THE WORK OF THIS SECTION WITH THE WORK OF ALL OTHER TRADES. THE STRUCTURAL ENGINEER'S REVIEW OF CONTRACTOR'S SUBMISSIONS DOES NOT RELIEVE CONTRACTOR FROM THESE RESPONSIBILITIES.
- C. FIELD MEASUREMENTS: OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK. SUBMIT, PRIOR TO INSTALLATION, ALL MEASUREMENTS INDICATING DISCREPANCIES FROM THE DRAWINGS. DESCRIBE IN WRITING AND, WHERE APPLICABLE, BY SKETCHES THE PROPOSED METHODS FOR CORRECTING DISCREPANCIES.
- D. LAY OUT EACH PART OF THE WORK IN STRICT ACCORDANCE WITH THE STRUCTURAL, DRAWINGS AND BE RESPONSIBLE FOR CORRECT LOCATION OF SAME.
- 7. CONSTRUCTION SEQUENCE: DESCRIPTIONS OF LIMITATIONS ON CONSTRUCTION SEQUENCE ARE INTENDED TO ASSIST CONTRACTOR IN COORDINATING THE WORK OF THE PROJECT. DESCRIPTIONS DO NOT DESCRIBE FULLY THE LIMITATIONS GIVEN. DO NOT DESCRIBE ALL LIMITATIONS, NOR DO THEY PRECLUDE CONSTRUCTION SEQUENCES NOT CONTEMPLATED HEREIN. WHETHER OR NOT CONTRACTOR FOLLOWS THE LIMITATIONS ON CONSTRUCTION SEQUENCE DESCRIBED HEREIN AND UNTIL SUCH TIME AS THE STRUCTURAL WORK IS COMPLETED, CONTRACTOR REMAINS FULLY RESPONSIBLE FOR BOTH THE STABILITY AND THE SAFETY OF THE WORK; ADHERENCE TO THE LIMITATIONS DESCRIBED HEREIN DOES NOT RELIEVE CONTRACTOR FROM THAT RESPONSIBILITY.

8. EXISTING STRUCTURES

E. DIMENSIONS AND DETAILS SHOWN IN STRUCTURAL DRAWINGS ARE TAKEN FROM THE ORIGINAL DESIGN DOCUMENTS AND MAY NOT ACCURATELY REPRESENT CURRENT EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY INSPECTION AND MEASUREMENT AT THE SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.

9. SHORING AND DEMOLITION

- PROVIDE AND PLACE BRACING AND SHORING AS NEEDED. SUPPORT STRUCTURE TO REMAIN AS NECESSARY TO PREVENT DAMAGE OR UNACCEPTABLE DEFLECTION. KEEP ALL BRACING AND SHORING IN PLACE DURING NEW STRUCTURAL STEEL AND CONCRETE CONSTRUCTION AND UNTIL NEW CONCRETE ACHIEVES 80 PERCENT OF DESIGN STRENGTH.
 - WHERE EXISTING STRUCTURE NEED BE WELDED TO, SHORE STRUCTURE PRIOR TO WELDING FOR THE FULL LOAD PRESENT AT THE TIME OF
 - BRACING AND SHORING, INCLUDING FOUNDATIONS AND CONNECTIONS TO EXISTING STRUCTURE WITH STIFFENER PLATES AS MAY BE REQUIRED, SHALL BE DESIGNED BY CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE. PROCEDURES, DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY CONTRACTOR'S ENGINEER AND SUBMITTED FOR REVIEW AND APPROVAL.
- B. REMOVE ALL DEMOLISHED MATERIAL PROMPTLY FROM THE SITE.
- C. ERECT AND MAINTAIN DUSTPROOF BARRIERS TO PREVENT SPREAD OF DUST OR FUMES. PROVIDE MEANS FOR EFFECTIVE DUST CONTROL. REMOVE BARRIERS UPON COMPLETION.
- SAWCUT AND REMOVE CONCRETE TO TRUE SMOOTH LINES TO THE EXTENT SHOWN IN THE DRAWINGS AFTER INSTALLATION OF ALL ADDED BEAMS AND REINFORCEMENTS, WITHOUT DAMAGE TO EXISTING REINFORCING STEEL DESIGNATED TO REMAIN. JOINTS BETWEEN EXISTING CONCRETE AND NEW CONCRETE SLAB CONSTRUCTION SHALL BE LEFT CLEAN, ROUGH. AND ESSENTIALLY VERTICAL.
- E. CAST NEW CONCRETE AS REQUIRED TO REPAIR CONCRETE SLABS, BEAM AND COLUMN ENCASEMENTS. AND THE LIKE THAT WERE DAMAGED OR REMOVED IN THE EXECUTION OF THIS CONTRACT TO THE SATISFACTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- ALL STEEL BEAM CUTS SHALL BE NEAT, SMOOTH, AND TRUE TO LINE. REPAIR EXCESS GAS BURNING SERRATIONS AND GOUGES BY NECESSARY WELDING AND GRINDING.
- G. EXISTING MECHANICAL/ELECTRICAL WORK MAY NEED TO BE TEMPORARILY REMOVED TO ACCOMMODATE THE REINFORCEMENT OF THE EXISTING STRUCTURE.
- 10. CONTRACTOR'S ENGINEER
- A. CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE TO OVERSEE CONTRACTOR'S DEMOLITION AND CONSTRUCTION SEQUENCE.
- B. CONTRACTOR'S PROFESSIONAL ENGINEER SHALL DESIGN ALL TEMPORARY BRACING, SHORING AND THE LIKE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER FOR TEMPORARY WORK.

REINFORCED CONCRETE

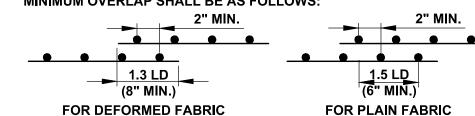
CONCRETE STRENGTHS AND UNIT WEIGHTS ARE LISTED BELOW. ALL CONCRETE MIXES SHALL CONFORM TO THE PROVISIONS FOR CONCRETE QUALITY CONTAINED IN CHAPTERS 4 AND 5 OF ACI 318, EXCEPT THAT THE PROVISIONS OF THE SPECIFICATIONS SHALL PREVAIL WHERE MORE STRINGENT.

F'C (PSI)*	COARSE AGGREGATE	LOCATIONS
5000	NORMAL WEIGHT	EXPOSED TO FREEZE-THAW OR DEICING CHEMICALS (SEE DRAWINGS FOR LOCATION)
4000	NORMAL WEIGHT	SLABS ON GROUND, COLUMNS, WALLS, ONE-WAY SLABS, TWO-WAY SLABS FOOTINGS, PILE/CAISSON CAPS, GRADE BEAMS
2000	LEAN CONCRETE	MUD SLABS

- * F'C SHALL BE THE COMPRESSIVE STRENGTH AT 28 DAYS FOR TYPE I CEMENT AND AT 7 DAYS FOR TYPE III (HIGH EARLY STRENGTH) CEMENT.
- 2. GROUT UNDER BASE PLATES AND BEDDING PLATES SHALL BE NON-SHRINKING TYPE.
- 3. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 (GRADE 60) UNLESS OTHERWISE NOTED.
- 4. DEFORMED STEEL REINFORCING BAR SIZES, NOMINAL BAR DIAMETERS AND NOMINAL CROSS SECTIONAL AREAS SHALL BE IN ACCORDANCE **WITH ACI 318.**
- 5. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A497 (DEFORMED WIRE) FOR SIZES D 4.0 AND LARGER, AND TO ASTM A185 (PLAIN WIRE) FOR SIZES LESS THAN W 4.0.
- DETAILING OF REINFORCING STEEL SHALL CONFORM TO ACI DETAILING MANUAL, BY THE AMERICAN CONCRETE INSTITUTE (ACI PUB. SP-66).
- MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT (SUBJECT TO TOLERANCES PERMITTED BY CODE) IN ACCORDANCE WITH ACI 318, UNLESS OTHERWISE INDICATED.

MINIMUM CONCRETE COVER, IN ACCORDANCE WITH ACI 318, HAS BEEN ASSUMED IN THE MEMBER STRENGTH COMPUTATIONS. CONTRACTOR SHALL NOT INCREASE THE COVER AS A MEANS TO REDUCE TENSION DEVELOPMENT LENGTHS, LD, OF BARS, UNLESS OTHERWISE NOTED.

- SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE STRUCTURAL DRAWINGS OR AS ACCEPTED.
- 9. UNLESS INDICATED SPECIFICALLY TO THE CONTRARY, ALL REINFORCEMENT SHALL BE SPLICED WITH TENSION LAP SPLICES DEVELOPING THE FULL TENSILE CAPACITY OF THE REINFORCEMENT.
- 10. ACCEPTED BAR SPLICING METHODS ARE PERMITTED IN LIEU OF LAPPING FOR LONGITUDINAL COLUMN BARS, AND ARE REQUIRED FOR **ALL # 14 AND # 18 BARS.**
- 11. SPLICING OF WWF SHALL BE IN ACCORDANCE WITH ACI 318. THE MINIMUM OVERLAP SHALL BE AS FOLLOWS:



WHERE LD IS THE DEVELOPMENT LENGTH COMPUTED IN ACCORDANCE WITH ACI 318, CHAPTER 12.7 (FOR DEFORMED FABRIC) OR CHAPTER 12.8 (FOR PLAIN FABRIC).

- 12. ALL BEAM AND SLAB CONSTRUCTION, INCLUDING UPSET BEAMS, SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS OTHERWISE SHOWN IN THE STRUCTURAL DRAWINGS.
- 13. LOCATION OF ALL CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND ACI 318. DRAWINGS SHOWING LOCATION AND DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED AND ACCEPTED PRIOR TO SUBMITTING REINFORCING STEEL SHOP DRAWINGS.

JAVITS PLAZA PLATFORM

CLIENT GROUP



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REINFORCED CONCRETE (CONT.)

- 14. PROPOSED OPENINGS OR RECESSES IN THE STRUCTURE WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS, EITHER DIRECTLY OR BY TYPICAL DETAIL, SHALL BE SUBMITTED FOR REVIEW.
- 15. HORIZONTAL CONDUITS ARE PERMITTED IN SLABS WHERE THE FOLLOWING REQUIREMENTS ARE MET (T = SLAB THICKNESS; FOR SLAB-ON-DECK, T= THICKNESS ABOVE DECK):
 - A. T≥ 4" (T≥ 3" AT SLAB-ON-DECK)
 - B. CONDUIT SIZE ≤T/3 (T/6 WHERE TWO CONDUITS CROSS);
 - C. CONDUITS ARE RUN AT MID-DEPTH IN THE SLAB THICKNESS;
 - CONDUIT SPACING ≥ THREE CONDUIT DIAMETERS OR WIDTHS ON CENTER; AND
 - CONDUITS CAN BE ACCOMMODATED WITHOUT DISPLACING REINFORCEMENT FROM LOCATIONS PROVIDED IN THE CONTRACT

ALUMINUM CONDUIT IS PROHIBITED IN CONCRETE. CONFORM TO CONDUIT REQUIREMENTS OF ACI 318.

1. COMPRESSION DEVELOPMENT LENGTHS.

co	MPRESSION DE	EVELOPMENT LEI C ^(INCHES)	NGTHS,
		F'C (PSI)	
BAR SIZE	3000	4000	5000 OR HIGHER
# 3	8	8	8
# 4	11	9	9
# 5	14	12	11
# 6	16	14	14
# 7	19	17	16
# 8	22	19	18
# 9	25	21	20
# 10	28	24	23
# 11	31	27	25
# 14	37	32	30
# 18	49	43	41

- A. TABULATED VALUES ARE FOR NORMAL WEIGHT OR LIGHTWEIGHT CONCRETE, WITH OR WITHOUT EPOXY COATING.
- 17. TENSION DEVELOPMENT LENGTHS AND SPLICE LENGTHS:

REINFORCING BAR DEVELOPMENT LENGTHS, AS COMPUTED IN ACCORDANCE WITH ACI 318-99, FORM THE BASIS FOR BAR EMBEDMENT LENGTHS AND BAR SPLICE LENGTHS SHOWN IN THE DRAWINGS. FOR CONVENIENT REFERENCE, TABLES OF DEVELOPMENT LENGTHS IN TENSION, LD, ARE **GIVEN HERE.**

THE TABLES FOR LD ARE DIVIDED INTO CATEGORIES. CATEGORIES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER AND THE CENTER- TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:

CTDUCTUDAL	CONCRETE COVER	CATEGORY ACCORDING TO CENTER-TO-CENTER BAR SPACING		
STRUCTURAL ELEMENT		≤2D _B	≥2D _B ≤3D _B	≥3D _B
BEAMS, COLUMNS	<d<sub>B</d<sub>	2	2	2
	≥D _B	2	1	1
ALL OTHERS	<d<sub>B</d<sub>	2	2	2
	≥D _B	2	2	1

WHERE DB = NOMINAL DIAMETER OF A BAR.

THE FOLLOWING NOTES APPLY TO ALL THE TABULATED VALUES OF TENSION **DEVELOPMENT AND TENSION LAP SPLICES:**

B. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE TO BE CAST IN THE MEMBER BELOW THE BARS. WALL HORIZONTAL BARS SHALL BE CONSIDERED TOP BARS. B. FOR EPOXY-COATED BARS, INCREASE LD BY THE FOLLOWING **FACTORS:**

	EPOXY FACTOR	
	TOP BARS	OTHER BARS
COVER<3D _B , OR CLEAR SPACING<6D _B	1.3	1.5
ALL OTHERS	1.2	1.2

C. THE LENGTHS OF TENSION LAP SPLICES SHALL BE 1.3 x LD.

	7		DEVELOP NORMAL V		•	D (INCHES E	5)	
		F'C=40	00 PSI			F'C=5	000 PSI	
BAR		BARS	OTHER BARS		TOP BARS		OTHER BARS	
SIZE	CATE	GORY	CATE	GORY	CATE	GORY	CATE	GORY
	1	2	1	2	1	2	1	2
# 3	21	28	15	21	21	25	15	19
# 4	26	37	19	28	23	33	17	25
# 5	32	46	24	36	29	41	21	32
# 6	38	55	28	43	34	50	25	38
# 7	54	81	42	62	48	72	37	56
# 8	62	92	47	71	55	83	42	64
# 9	70	104	54	80	62	93	48	72
# 10	78	117	60	90	70	105	54	81
# 11	87	130	67	100	78	117	60	90
# 14	104	157	80	120	93	140	72	108
# 18	139	209	107	161	124	187	96	144

JAVITS PLAZA PLATFORM

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GENERAL NOTES - 2

DATE 02/13/2015 SCALE AS SHOWN DRAWN BY M. JAYAKUMAR CHECKED BY S. QASIM S-003

DESIGN CRITERIA

THIS STRUCTURAL DESIGN CRITERIA OF THE PROJECT IS FOR GENERAL INFORMATION ONLY AND DOES NOT MODIFY, ALTER OR OVERRULE THE SPECIFICATIONS, THE DRAWINGS OR THE REST OF THE CONTENTS OF THIS DRAWING BOOK.

A. LOCATION

THIS PROJECT IS LOCATED IN THE BOROUGH OF MANHATTAN IN NEW YORK CITY, BETWEEN 33RD AND 39TH STREETS, BETWEEN 10TH AND 11TH AVENUES.

B. CODES

THE STRUCTURAL DESIGN, REPRESENTED BY THE CONTENTS OF THE CONTRACT DOCUMENTS, IS IN GENERAL ACCORD WITH THE MINIMUM REQUIREMENTS OF THE FOLLOWING CODES AND STANDARDS. IN SOME INSTANCES, LERA HAS CONCLUDED THAT MORE STRINGENT REQUIREMENTS ARE APPROPRIATE FOR THE STRUCTURAL DESIGN OF THE PROJECT; IN THOSE INSTANCES, THE MORE STRINGENT STRUCTURAL REQUIREMENTS HAVE BEEN APPLIED.

- 1. BUILDING CODE OF THE CITY OF NEW YORK, 2008 EDITION WITH LATEST SUPPLEMENTS.
- 2. ASCE 7-10, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, BY AMERICAN SOCIETY OF CIVIL ENGINEERS.
- 3. SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 09 MARCH 2005, BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION, THIRTEENTH EDITION.
- 4. ANSI/AWS D1.1, 2000, STRUCTURAL WELDING CODE STEEL.
- 5. ACI 318-11, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, BY AMERICAN CONCRETE INSTITUTE.
- C. REFERENCE DOCUMENTS
- 1. SEE GENERAL STRUCTURAL NOTES FOR A LIST OF REFERENCE DOCUMENTS.

D. GRAVITY LOADS

THE LOADS THAT FOLLOW DO NOT INCLUDE THE WEIGHT OF STRUCTURAL STEEL MEMBERS. NORMAL WEIGHT CONCRETE IS TAKEN AT A UNIT WEIGHT OF 150 PCF. LIVE LOADS ARE REDUCIBLE EXCEPT WHERE NOTED NR (NOT REDUCIBLE). THE FOLLOWING ARE DEAD, SUPERIMPOSED DEAD AND LIVE LOADS TAKEN FOR EACH OCCUPANCY CATEGORY:

1. PLATFORM SUPPORTING SIDEWALK

CONSTRUCTION DEAD LOAD

SUPPORTING STRUCTURE = SEE PLAN 10" CONCRETE SLAB = 125 PSF

SUPERIMPOSED DEAD LOAD

ARCHITECTURAL 1'-0"± FILL = 150 PSF

LIVE LOAD IN 12' VICITINITY OF EXISTING SIDEWALK = 300 PSF (NR)

OTHER AREAS = 250 PSF (NR)

E. LIVE LOAD REDUCTION

IN ACCORDANCE WITH BUILDING CODE SECTION 1607.9, LIVE LOADS FOR\ MEMBERS FOR WHICH A VALUE OF $K_{LL} A_T > 400$ SFT OR MORE, MAY BE **REDUCED AS FOLLOWS:**

$$L = L0 \left(0.25 + 15 \right)$$

L = REDUCED DESIGN LIVE LOAD LO = UNREDUCED DESIGN LIVE LOAD K_{LL}= LIVE LOAD ELEMENT FACTOR

- = 4.0 INTERIOR COLUMNS, EXTERIOR COLUMNS WITHOUT CANTILEVER SLAB
- = 3.0 EDGE COLUMNS WITH CANTILEVER SLAB
- = 2.0 CORNER COLUMNS WITH CANTILEVER SLABS, EDGE BEAMS WITHOUT **CANTILEVER SLABS, INTERIOR BEAMS**

G_H & Gz = 1.65

= 1.0 ALL OTHER MEMBERS, INCLUDING EDGE BEAM WITH CANTILEVER SLABS, CANTILEVER BEAMS, TWO—WAY SLABS.

A_T = TRIBUTARY AREA IN SFT.

L > 0.5 LO FOR MEMBERS SUPPORTING ONE FLOOR. L > 0.4 LO FOR MEMBERS SUPPORTING MORE THAN ONE FLOOR.

F. WIND LOADS

1. WIND LOAD PARAMETERS

WIND LOADS ARE DETERMINED FROM ψ , USING THE FOLLOWING **PARAMETERS:**

BASIC WIND SPEED: V = 100 MPH **OCCUPANCY CATEGORY: IMPORTANCE FACTOR:** l = 1.15 **EXPOSURE CATEGORY:** MEAN ROOF HEIGHT: H = 3 FEET**DIRECTIONALITY FACTOR:** EXTERNAL PRESSURE COEFFICIENTS: C p = -0.7 WINDWARD Cp = -0.7 LEEWARD $C p = \psi SIDE WALL$ **TOPOGRAPHIC FACTOR:** $Kz \& K_H = 0.37$

G. SEISMIC LOADS

GUST FACTOR:

1. SEISMIC LOADS AS PER NYC BUILDING CODE 2014 SEC. 1613.

H. SNOW LOADS

1. SNOW LOADS ARE DETERMINED FROM ASCE 7-10, BASED ON THE FOLLOWING PARAMETERS:

> GROUND SNOW LOAD: Pg (FIG 7-1) = 30 PSF IMPORTANCE FACTOR: I (TABLE 1.5-2) = 1-10 **SNOW EXPOSURE FACTOR:** Ce (TABLE 7-2) = 0.90 THERMAL FACTOR: Ct (TABLE 7-3) = 1.20

2. THE DESIGN SNOW LOAD IS 'P' = 25 PSF

JAVITS PLAZA PLATFORM

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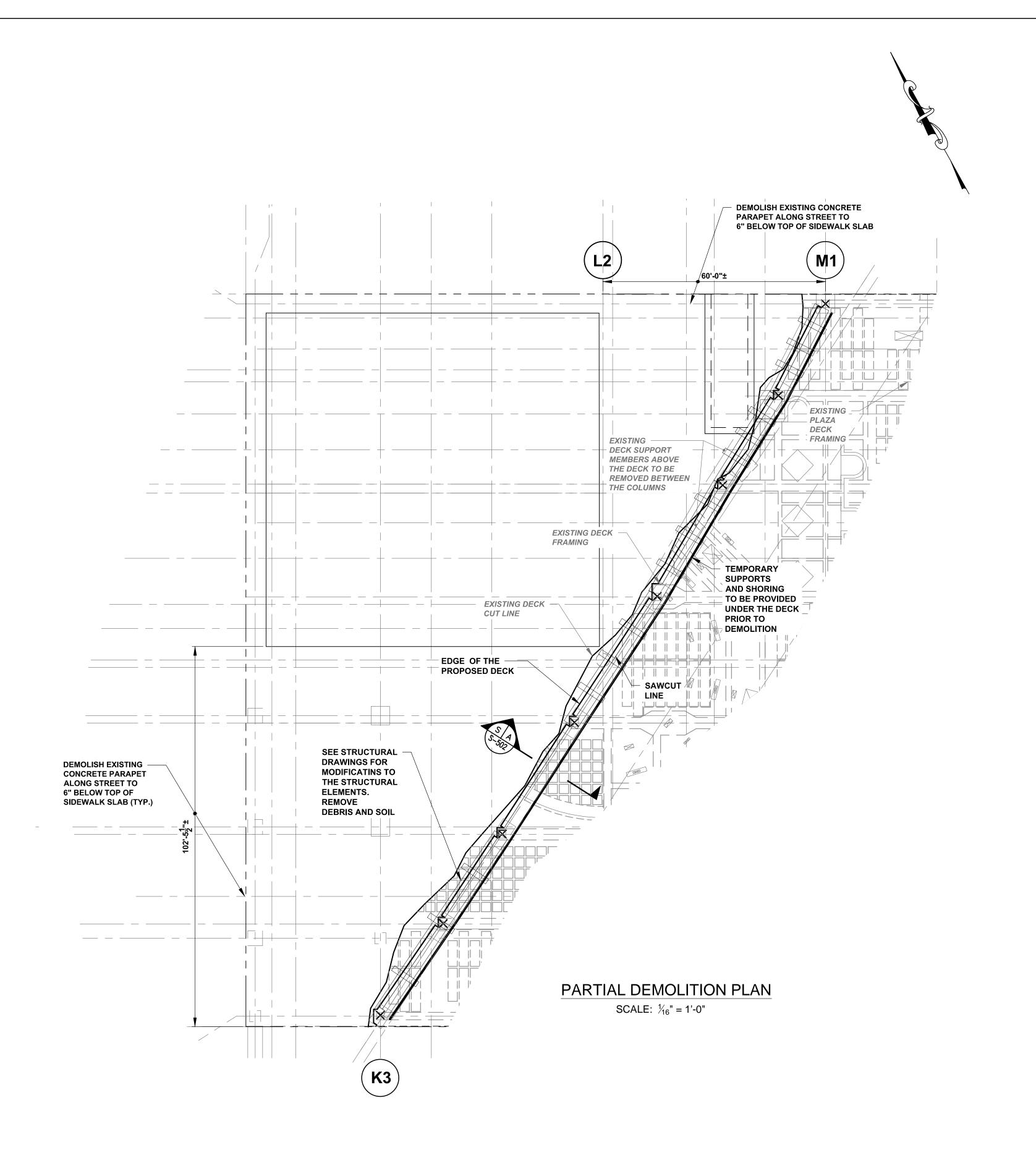
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GENERAL NOTES - 3

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PARTIAL DEMOLITION PLAN

Seal

DATE 02/13/2015
SCALE AS NOTED
DRAWN BY M. PATULOT
CHECKED BY W.J. CHIOU
S-101

SHEET NO. _ OF _

DATE: 29 Apr 2015 TIME: 10:10 am USERNAME: Ferri

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GENERAL SITE PLAN

Seal

SCALE OF FEET

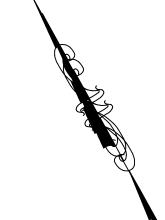
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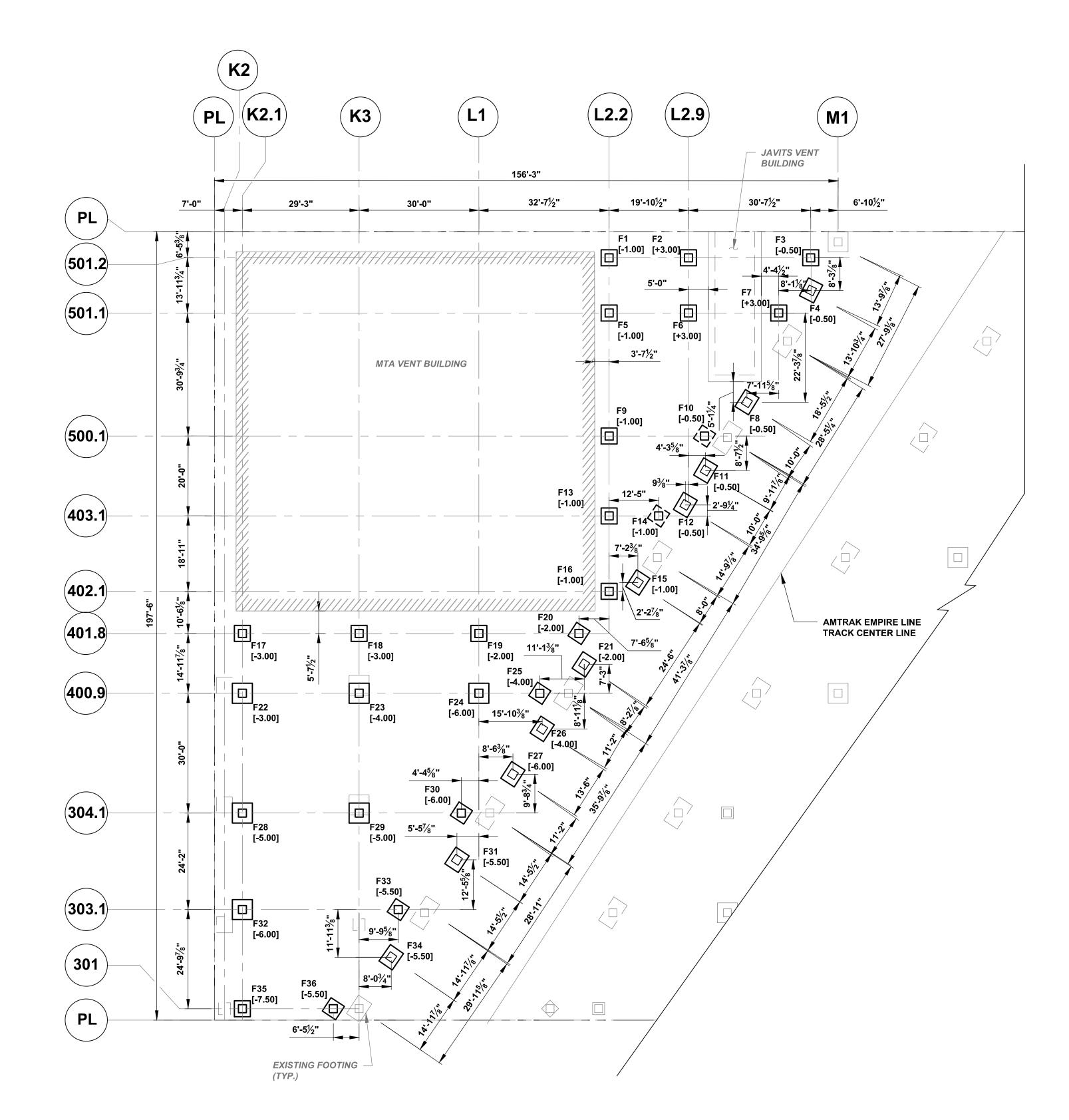
SCALE 1" = 20'

DRAWN BY M. JAYAKUMAR

CHECKED BY S. QASIM

S-102



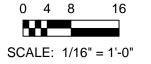


	FOOTING SCHEDULE	
TYPE	FOOTING CALLOUT	SIZE (L x W x H)
FA	FI - F3, F17 - F20 & F35 - F36	4'-0"x4'-0"x3'-0"
FB	F5 - F7, F9 - F10, F13, F14, F16, F22 - F25, F28 - F30 & F32 - F33	5'-0"x5'-0"x3'-0"
FC	F4, F8, F11, F12, F15, F21, F26, F27, F31 & F34	4'-0"x5'-0"x3'-0"

NOTES:

- 1. ALL ELEVATIONS CALLED OUT ARE BASED ON THE NAV-88 VERTICAL DATUM.
- 2. ALL FOOTINGS TO BEAR ON BEDROCK CLASS 1C IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE. DECOMPOSED AND SOFT ROCK ABOVE THE ELEVATION OF BEDROCK SHALL BE REMOVED.
- 3. ENGINEER WILL INSPECT EACH FOOTING EXCAVATION, AND MAKE A DECISION ON THE ACTUAL TOP OF ROCK, CLASS 1 C OR BETTER, AT ANY PARTICULAR LOCATION.
- 4. IF, AT ANY COLUMN LOCATION, THE ENGINEER DETERMINES THAT THE TOP OF ROCK IS NOT REACHED AT THE SPECIFIED FOOTING ELEVATION, CONTRACTOR NEEDS TO MAKE ADDITIONAL EXCAVATION UNTIL THE TOP OF ROCK IS REACHED, JUDGED BY THE ENGINEER. CONTRACTOR WILL THEN POUR LEAN CONCRETE TO FILL THE EXTRA EXCAVATION TO THE SPECIFIED FOOTING ELEVATION.
- 5. EXISTING COLUMN FOOTINGS ASSUMED TO BEAR ON CLASS 1C BEDROCK. DURING EXCAVATION OF THE PROPOSED FOOTINGS CONTRACTOR TO FIELD VERIFY THE DEPTH OF THE EXISTING COLUMN FOOTINGS AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IN FOOTING DEPTHS.

FOUNDATION PLAN



JAVITS PLAZA PLATFORM

CLIENT GROUP



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w York City Economic Development C

NYC Economic Development Corporation Tel: 212.619.5000 Fax: 212.312.3911

DESIGNERS

PARSONS BRINCKERHOFF

Tel: 212.465.5000 Fax: 212.465.5584



WARNING: IT IS A VIOLATION OF NEW YORK LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, LANDSCAPE ARCHITECT, PROFESSIONAL ENGINEER, OR LAND SURVEYOR (AS APPLICABLE) TO ALTER ANY ITEM SHOWN ON THIS DOCUMENT IN ANY WAY. IF A DOCUMENT OR ITEM BEARING THE SEAL OF ANY SUCH LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ARCHITECT, LANDSCAPE ARCHITECT, PROFESSIONAL ENGINEER, OR LAND SURVEYOR SHALL AFFIX TO EACH ALTERED ITEM THEIR SEAL WITH THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE WITH THE DATE AND A SPECIFIC DESCRIPTION OF EACH ALTERATION.

NOT FOR CONSTRUCTION

STATUS

PRELIMINARY DESIGN

REVISIC	NS
NO	DATE

NO.	DATE	DESCRIPTION

DRAWING TITLE

FOUNDATION PLAN

Se

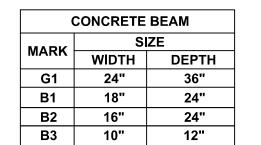
DATE 02/13/2015

SCALE 1/16" = 1'-0"

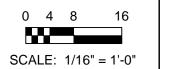
DRAWN BY M. JAYAKUMAR

CHECKED BY S. QASIM

S-103 SHEET NO. _ OF _



FRAMING PLAN



JAVITS PLAZA PLATFORM

CLIENT GROUP



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NOT FOR CONSTRUCTION

STATU

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION
	•	

DRAWING TITLE

FRAMING PLAN

Seal

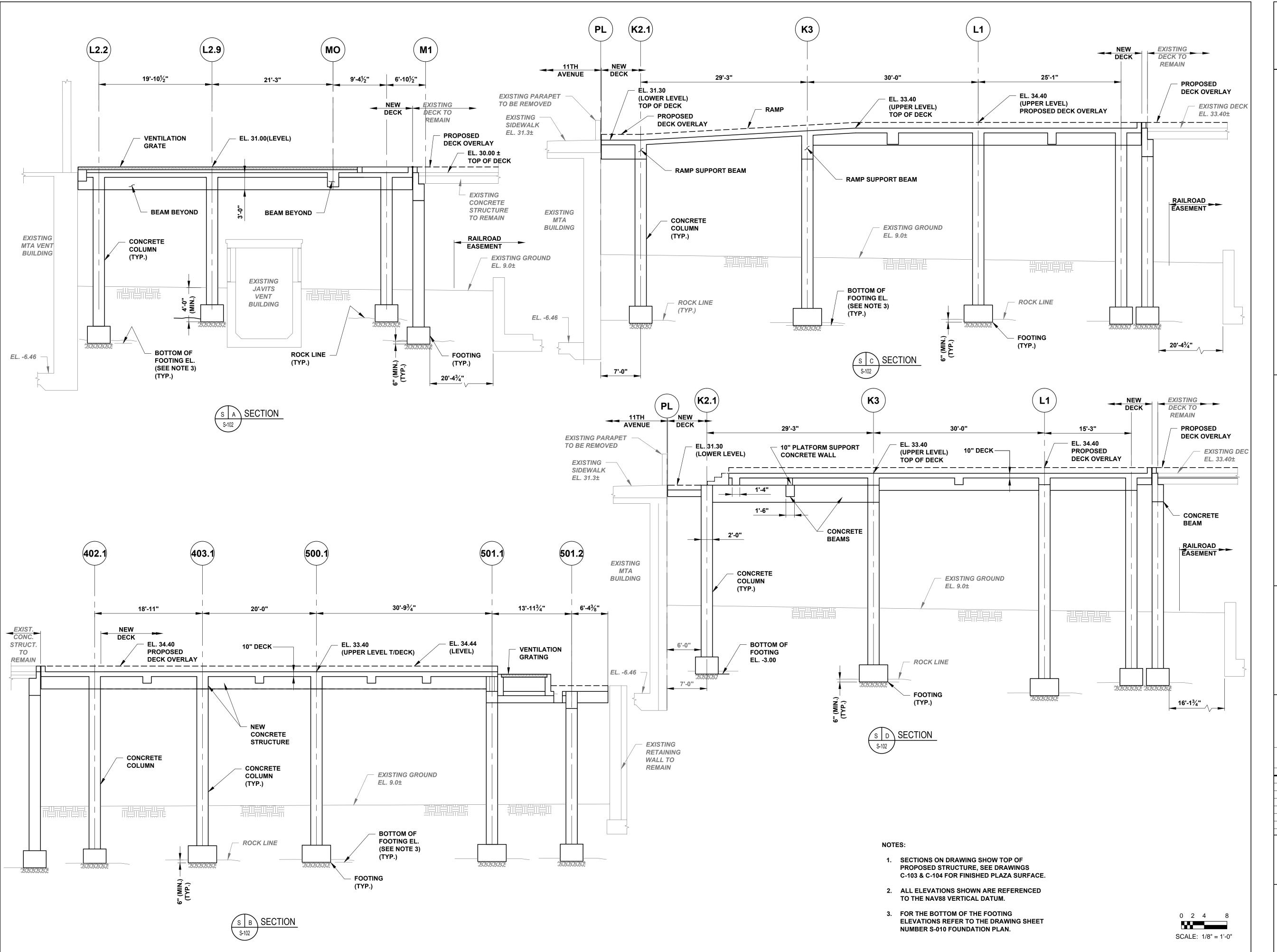
DATE 02/13/2015

SCALE 1/16" = 1'-0"

DRAWN BY M. JAYAKUMAR

CHECKED BY S. QASIM

S-104 SHEET NO. _ OF _



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PARSONS BRINCKERHOFF

Tel: 212.465.5000 Fax: 212.465.5584



Tel: 609.734.8400 Fax: 609.734.8405

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NOT FOR CONSTRUCTION

PRELIMINARY DESIGN

REVISIONS

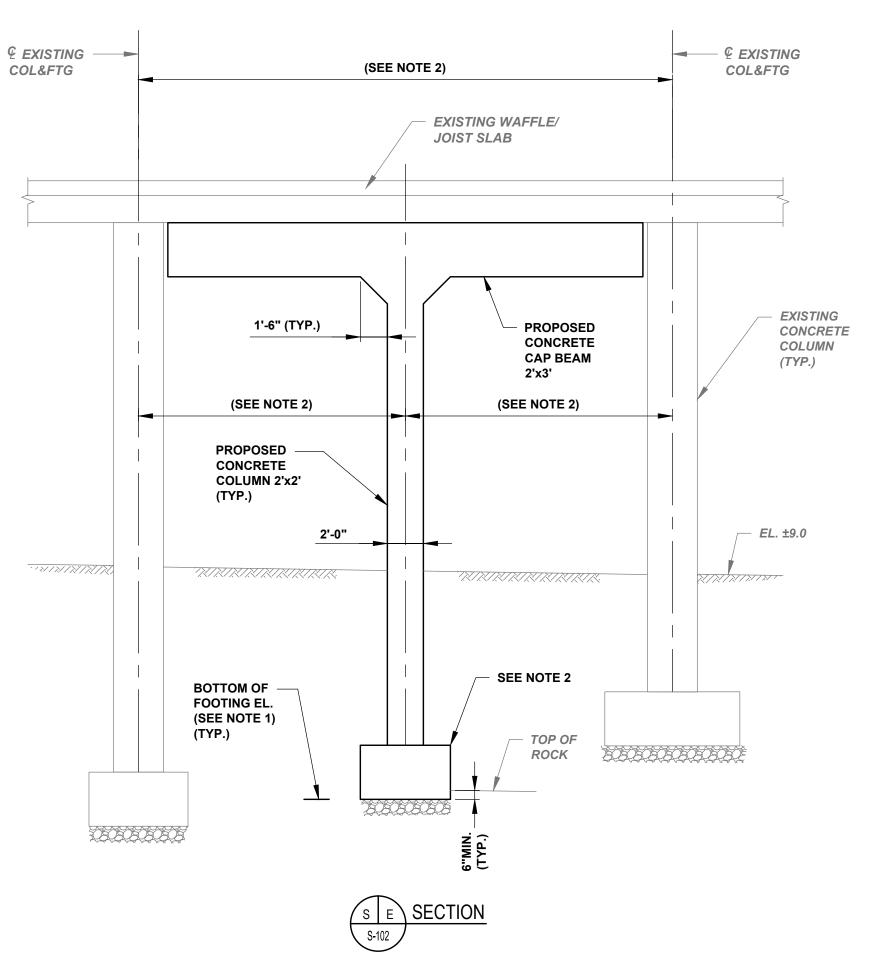
DATE	DESCRIPTION

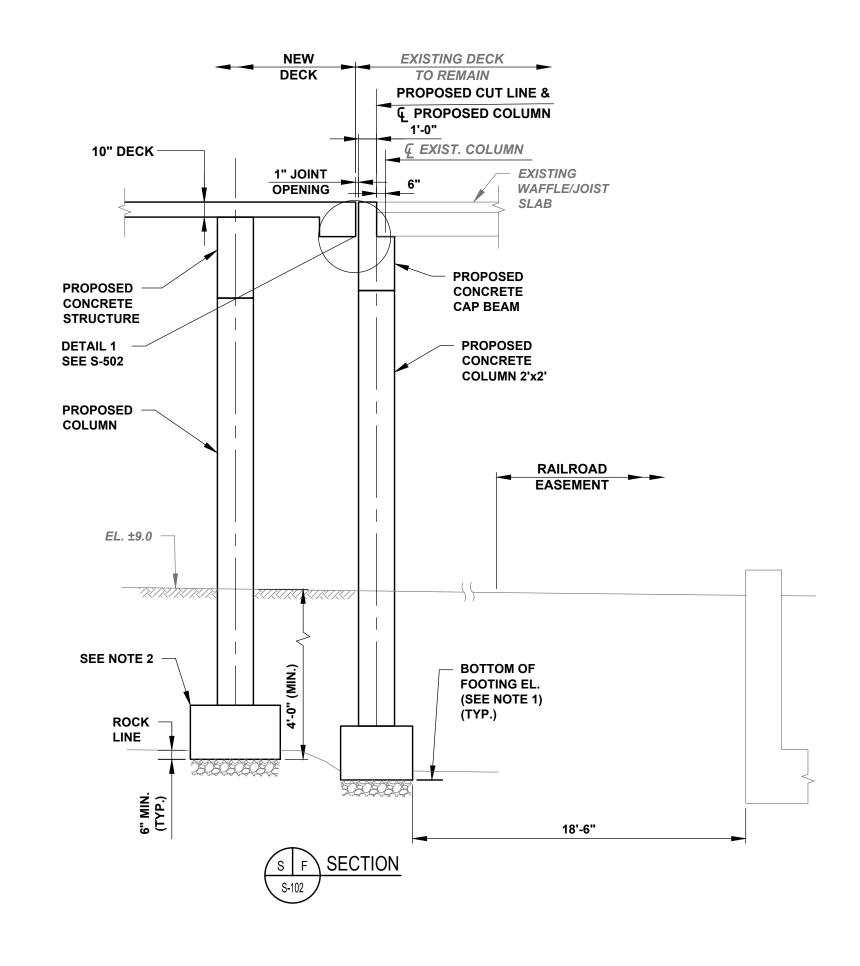
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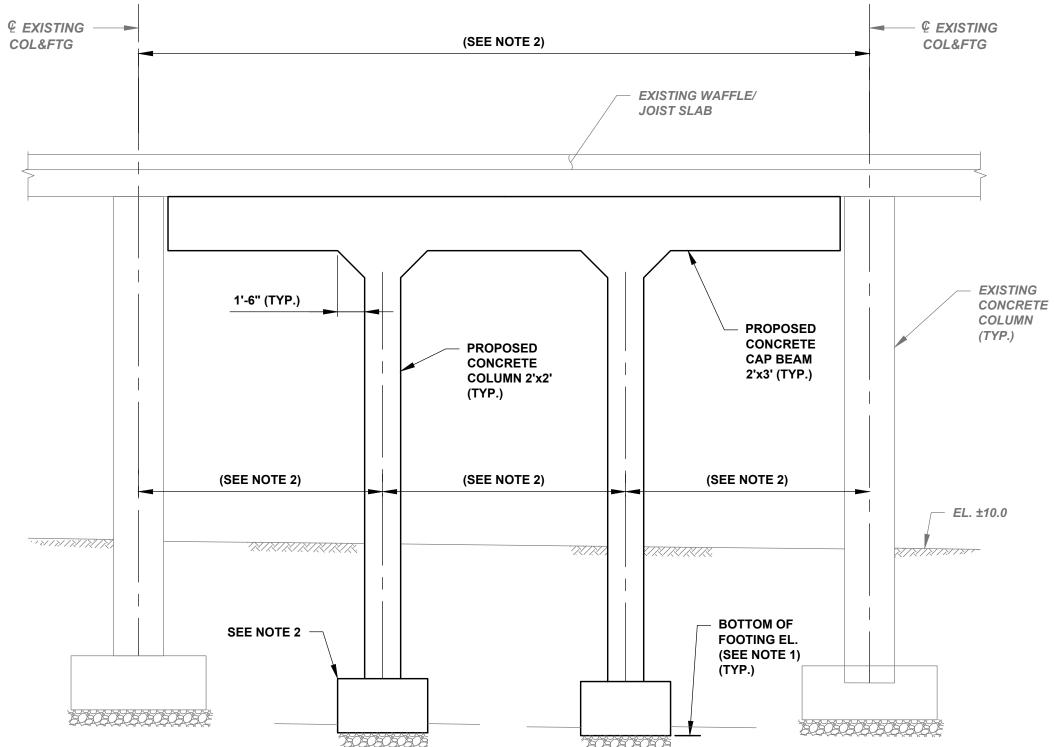
GENERAL SECTIONS -1

02/13/2015 1/8"=1'-0" SCALE DRAWN BY M. JAYAKUMAR CHECKED BY S. QASIM

S-301 SHEET NO. _ OF _



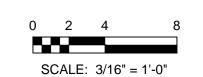




NOTES:

- 1. FOR THE BOTTOM OF THE FOOTING ELEVATIONS REFER TO THE DRAWING S-010 FOUNDATION PLAN.
- 2. REFER TO DRAWING S-010 FOUNDATION PLAN FOR THE COLUMN SPACING AND FOOTING DIMENSIONS.





JAVITS PLAZA PLATFORM

CLIENT GROUP



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NOT FOR CONSTRUCTION

STATUS

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION
1	4/29/2015	PER COMMENTS BY HYDC

DRAWING TITLE

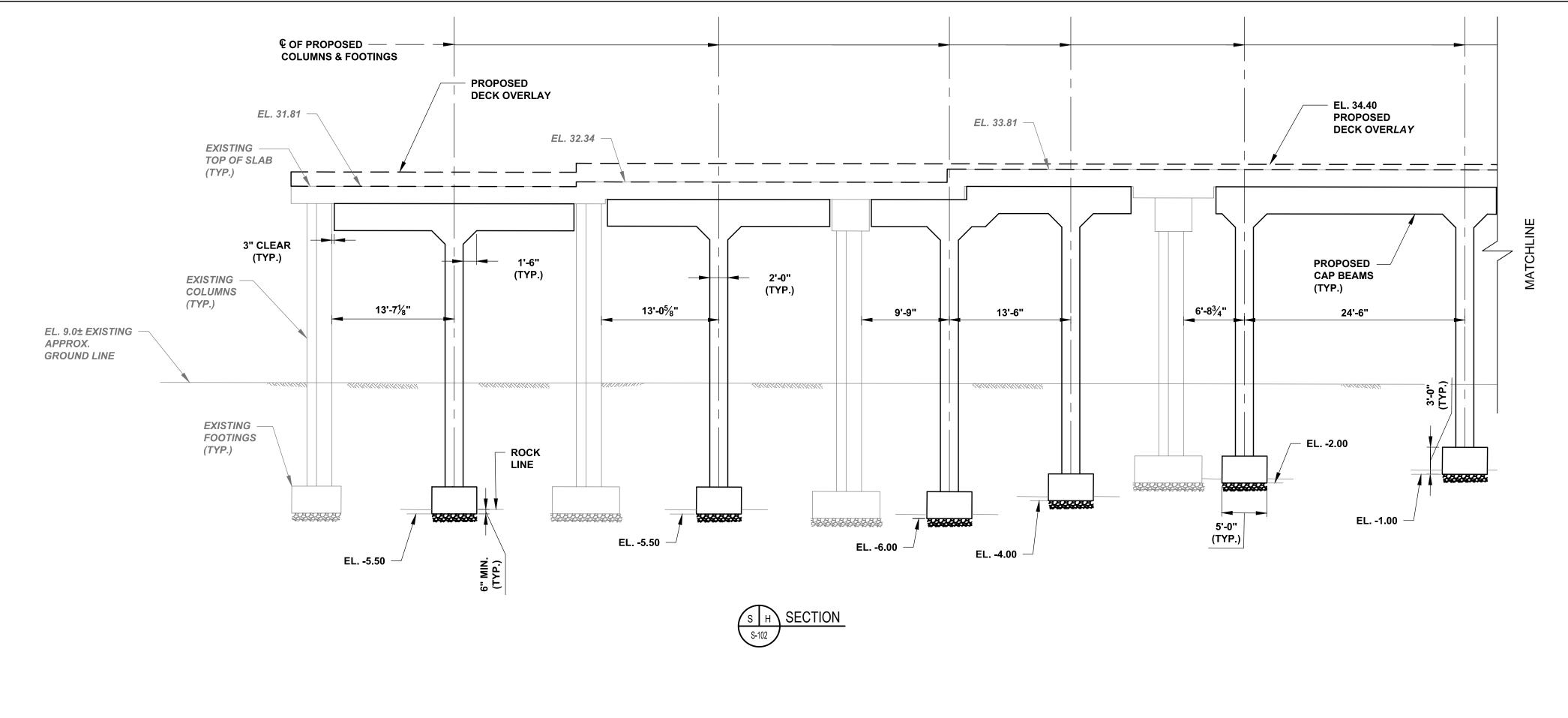
GENERAL SECTIONS 2

Seal

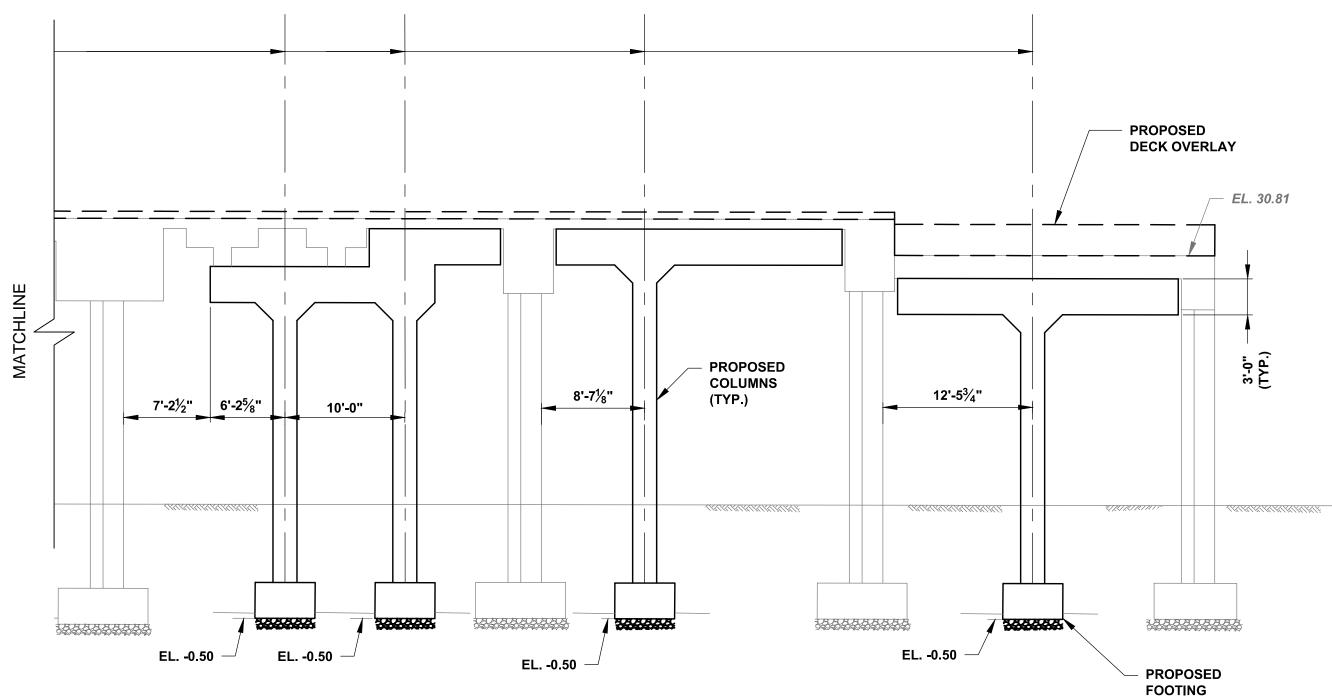
DATE 02/13/2015
SCALE 3/16" = 1'-0"
DRAWN BY M. PATULOT
CHECKED BY W.J. CHIOU

S-302 SHEET NO. _ OF _

47E: 29 Apr 2015 TIME: 10:08 am USERNAME

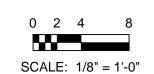


(TYP.)



NOTES:

- 1. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL INFORMATION AND EXISTING CONDITIONS. DIMENSIONS AND INFORMATION SHOWN ON THE PLANS ARE FOR GENERAL REFERENCE ONLY, WHICH HAS BEEN TAKEN FROM LIMITED AS-BUILT PLANS AND SURVEY DATA AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS TO AVOID ANY CONFLICT WITH EXISTING STRUCTURE OR UTILITIES AND ASSURE PROPER FIT OF THE FINISHED WORK. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD DIMENSIONS AND MAKE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE ENGINEER. WHEN SHOP DRAWINGS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS MADE SHALL BE INDICATED ON THE SHOP DRAWINGS FOR REFERENCE FOR THE REVIEWER.
- 2. THE PROPOSED CAPBEAMS SHALL BE CAST AGAINST THE BOTTOM OF THE EXISTING SLABS OR BEAMS AS SHOWN. CONTRACTOR SHALL MAKE SURE THAT THERE IS NO GAP BETWEEN THE TOP OF THE CAPBEAM AND SLAB OR BEAM.
- 3. FOR THE PROPOSED FOOTING, COLUMN AND CAPBEAM DETAILS, SEE SHEET S-010 THROUGH S-014.
- 4. THE ELEVATIONS SHOWN ARE BASED ON NAV-88 VERTICAL DATUM.



JAVITS PLAZA PLATFORM

CLIENT GROUP



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NOT FOR CONSTRUCTION

STATUS

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION
NO.	DATE	DESCRIFTION

DRAWING TITLE

GENERAL SECTIONS 3

Seal

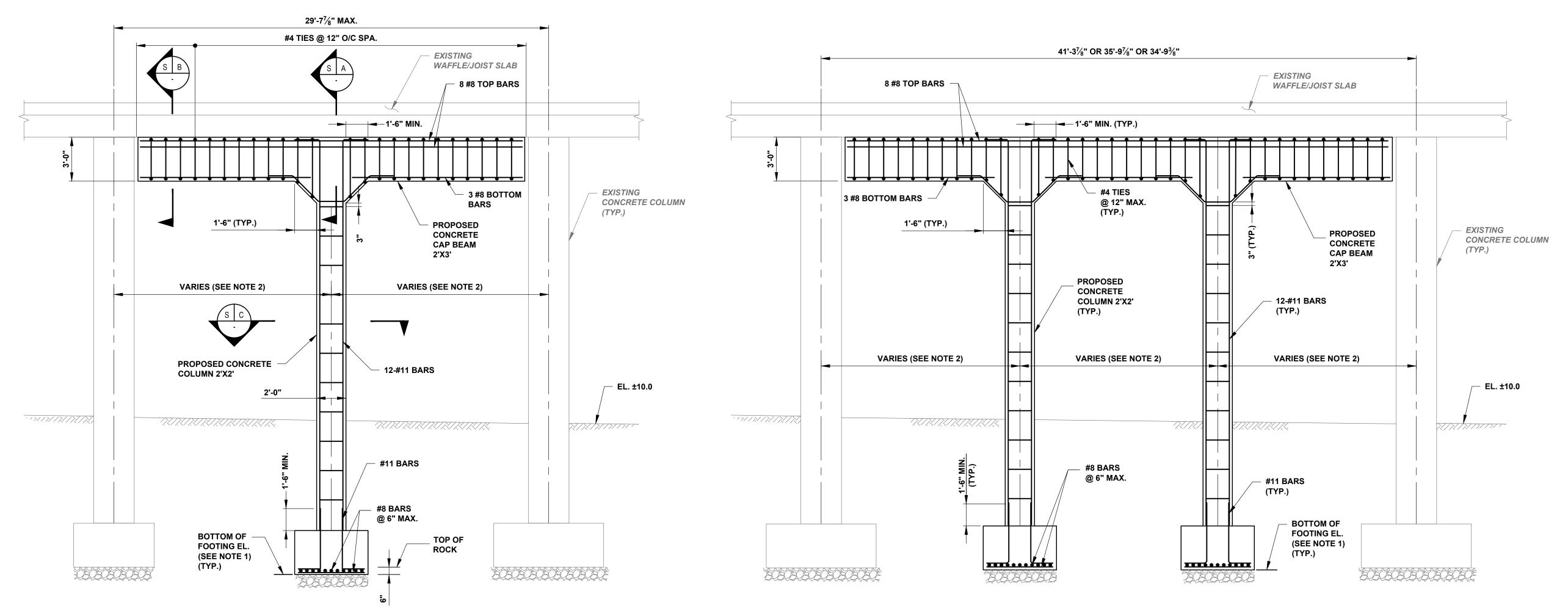
DATE 02/13/2015

SCALE 1/8" = 1'-0"

DRAWN BY M. JAYAKUMAR

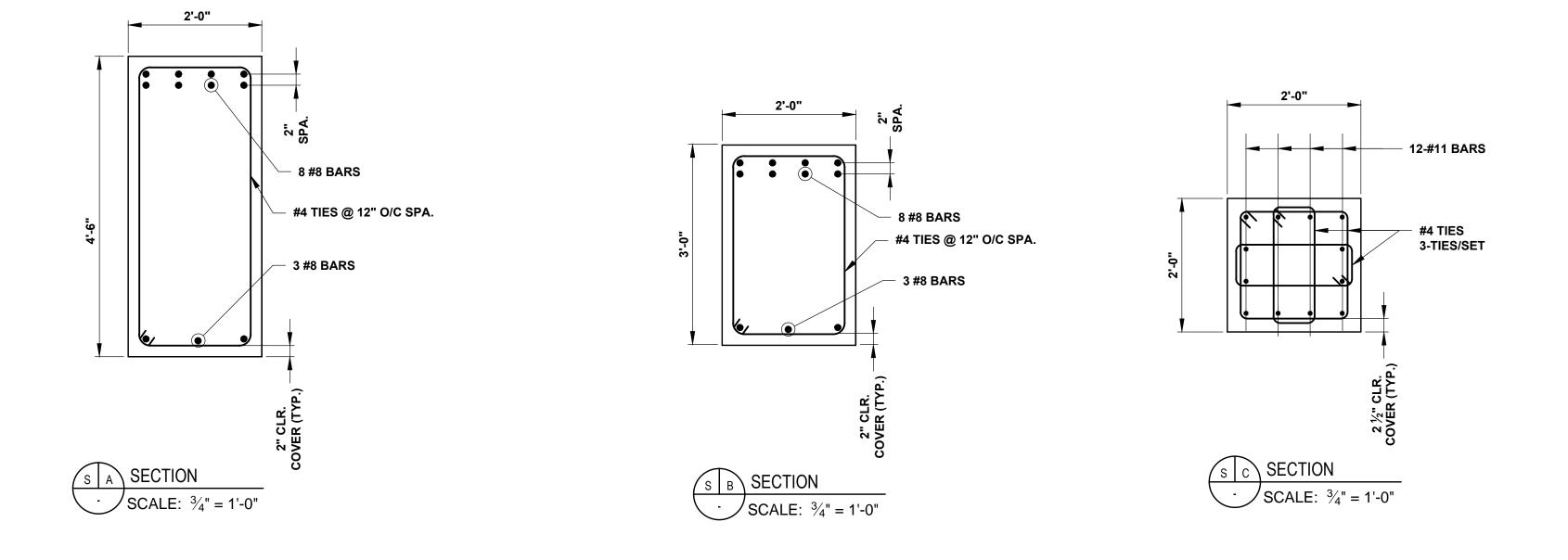
CHECKED BY S. QASIM

S-303 SHEET NO. _ OF _



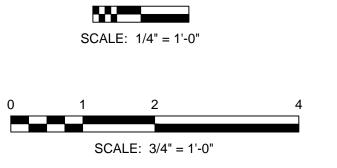
PROPOSED CAP BEAM WITH SINGLE COLUMN SUPPORTING EXISTING DECK SCALE: 1/4" = 1'-0"

PROPOSED CAP BEAM WITH TWO COLUMNS SUPPORTING EXISTING DECK SCALE: 1/4" = 1'-0"



NOTE:

- FOR THE BOTTOM OF THE FOOTING ELEVATIONS REFER TO THE DRAWING S-103 FOUNDATION PLAN.
- 2. FOR THE COLUMN SPACING REFER TO THE DRAWING S-103 FOUNDATION PLAN.



0 1 2 4

JAVITS PLAZA PLATFORM

CLIENT GROUP



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NOT FOR CONSTRUCTION

STATUS

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION	

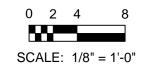
DRAWING TITLE

EXISTING PLAZA EDGE SUPPORT SECTIONS

Seal

DATE 02/13/2015
SCALE AS NOTED
DRAWN BY M. JAYAKUMAR
CHECKED BY S. QASIM
S-304

DECK SLAB PARTIAL PLAN 1



JAVITS PLAZA PLATFORM

CLIENT GROUP





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STATUS

PRELIMINARY DESIGN

REVISIONS

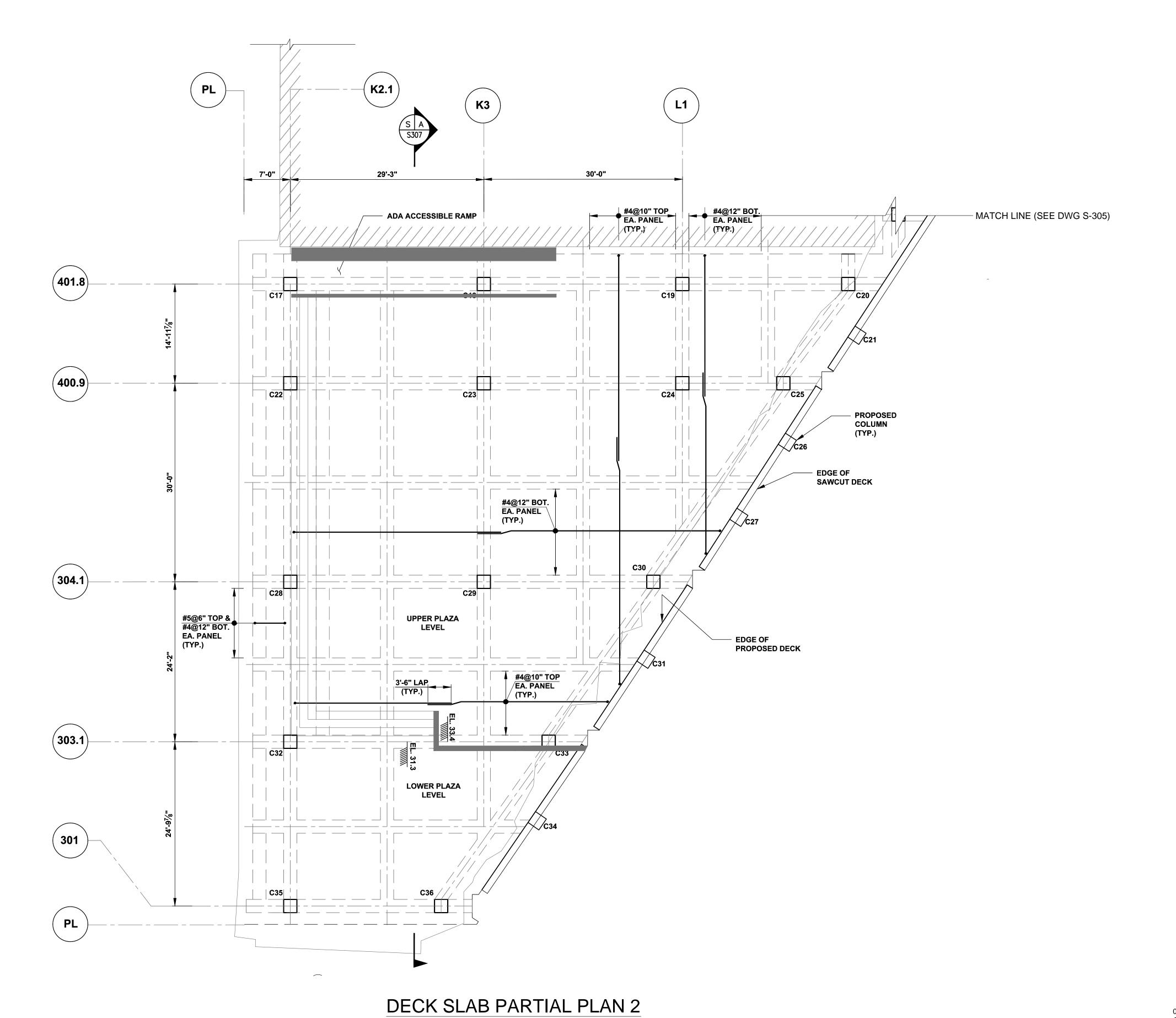
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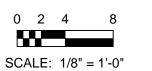
DRAWING TITLE

DECK SLAB PARTIAL PLAN 1

Seal

DATE 02/13/2015
SCALE 1/8" = 1'-0"
DRAWN BY M. JAYAKUMAR
CHECKED BY S. QASIM
S-305





CLIENT GROUP



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NOT FOR CONSTRUCTION

WITH THE DATE AND A SPECIFIC DESCRIPTION OF EACH ALTERATION.

STATUS

PRELIMINARY DESIGN

REVISIONS

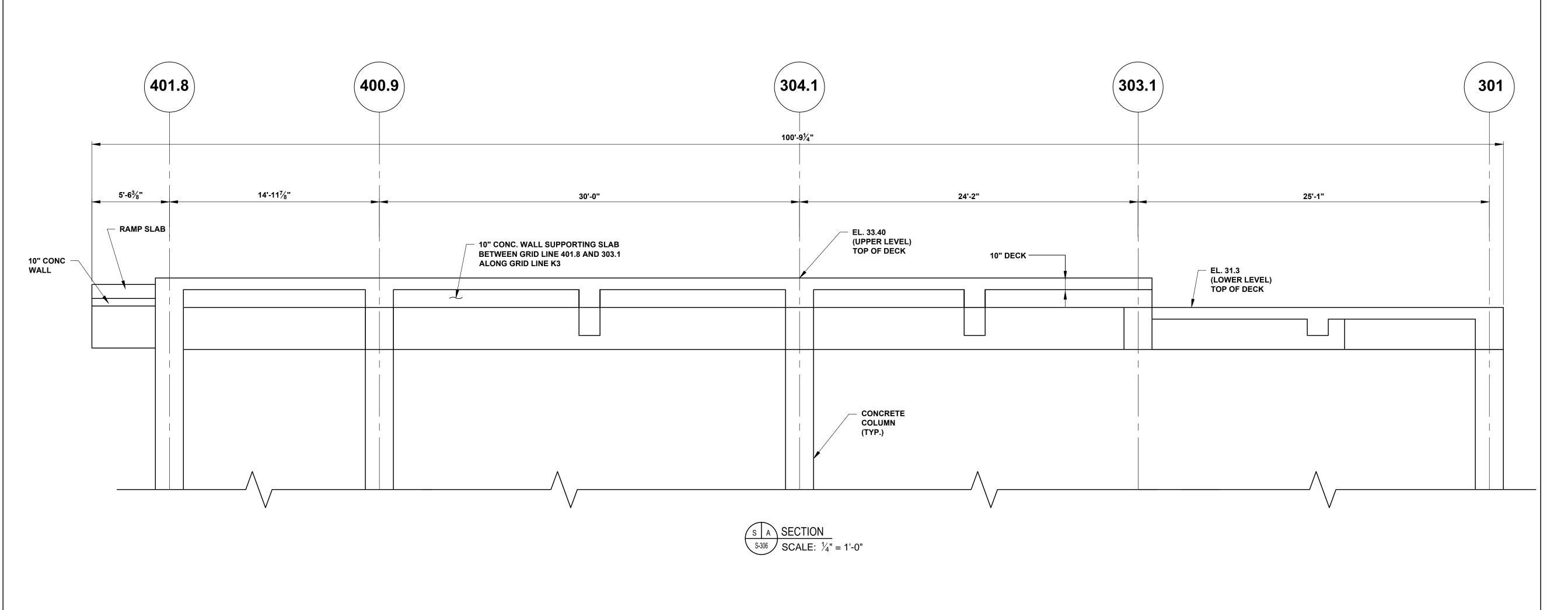
NO.	DATE	DESCRIPTION
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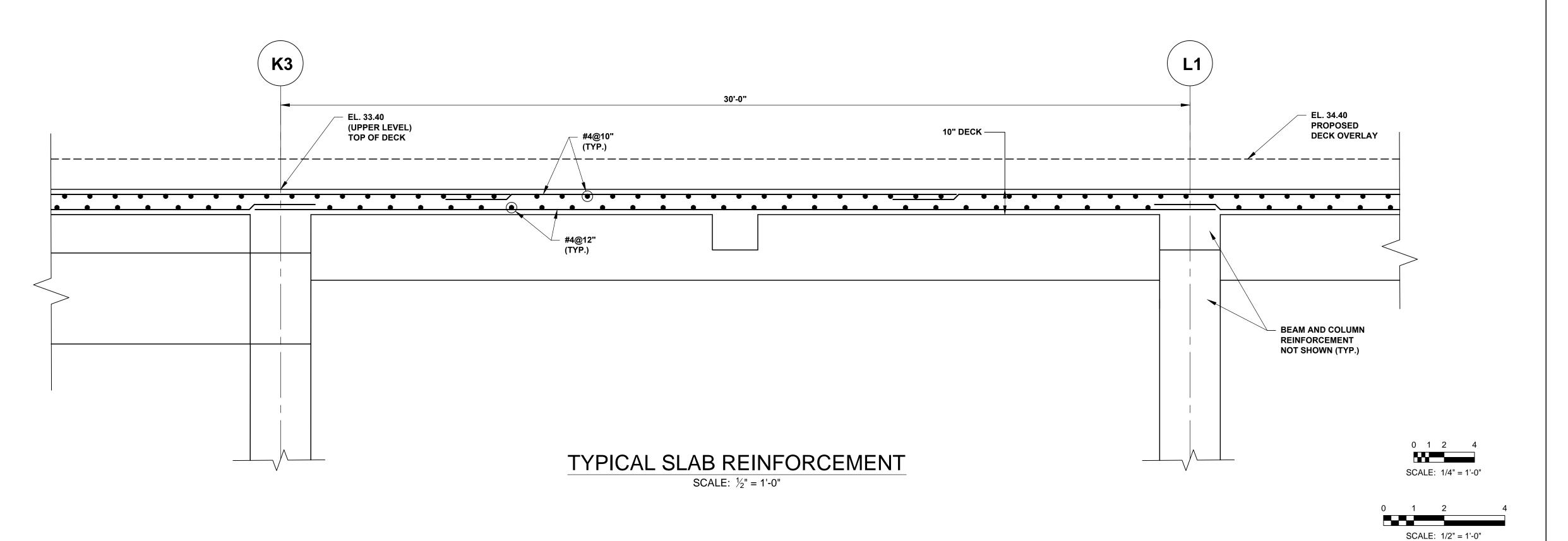
DRAWING TITLE

DECK SLAB PARTIAL PLAN 2

Seal

DATE 02/13/2015 SCALE $\frac{1}{8}$ " = 1'-0" DRAWN BY M. JAYAKUMAR CHECKED BY S. QASIM S-306





CLIENT GROUP



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STATUS

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION	

DRAWING TITLE

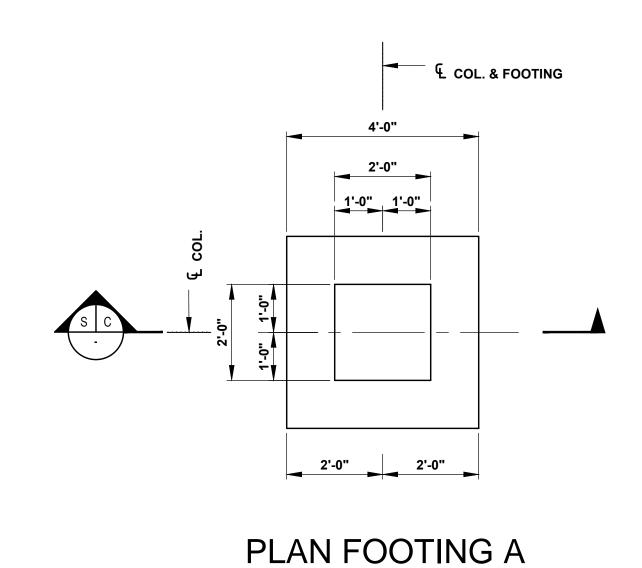
DECK SLAB SECTIONS

Seal

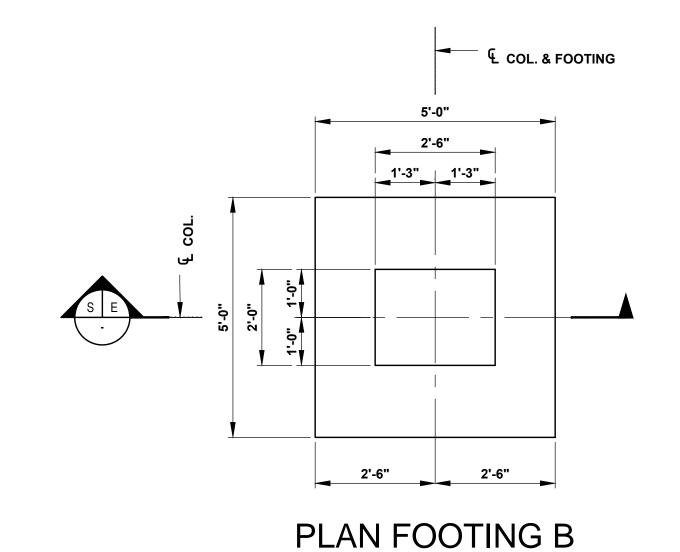
DATE 02/13/2015
SCALE AS NOTED
DRAWN BY M. JAYAKUMAR
CHECKED BY S. QASIM

S-307 SHEET NO. _ OF _

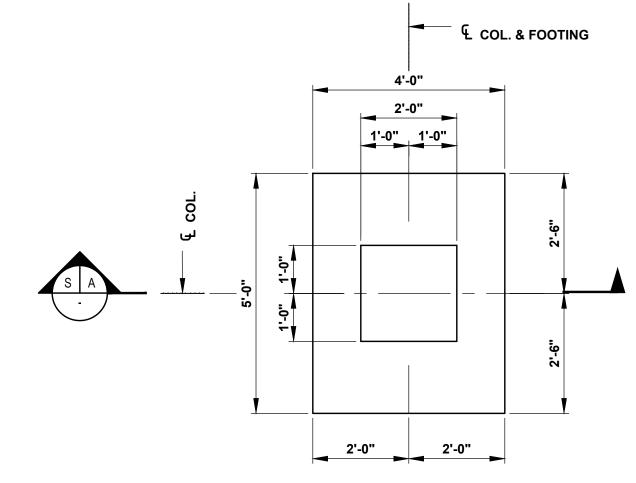
:: 13 Feb 2015 TIME: 7:48 pm USERNAME: mjayakumar



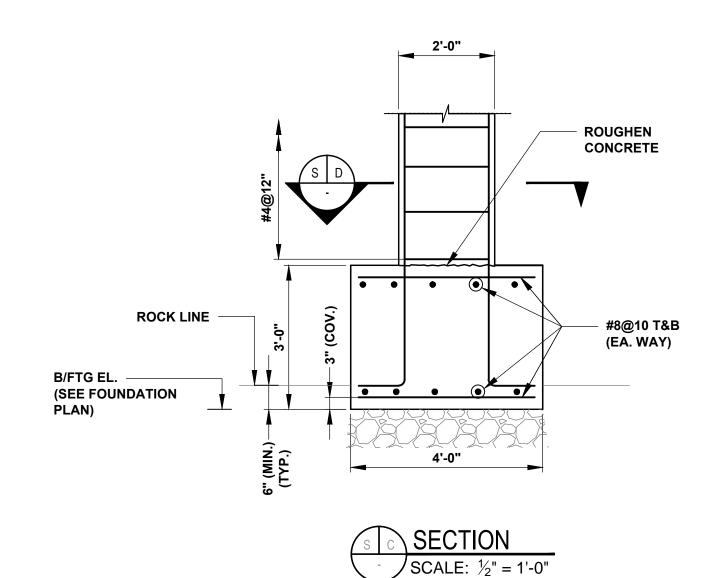
SCALE: ½" = 1'-0"

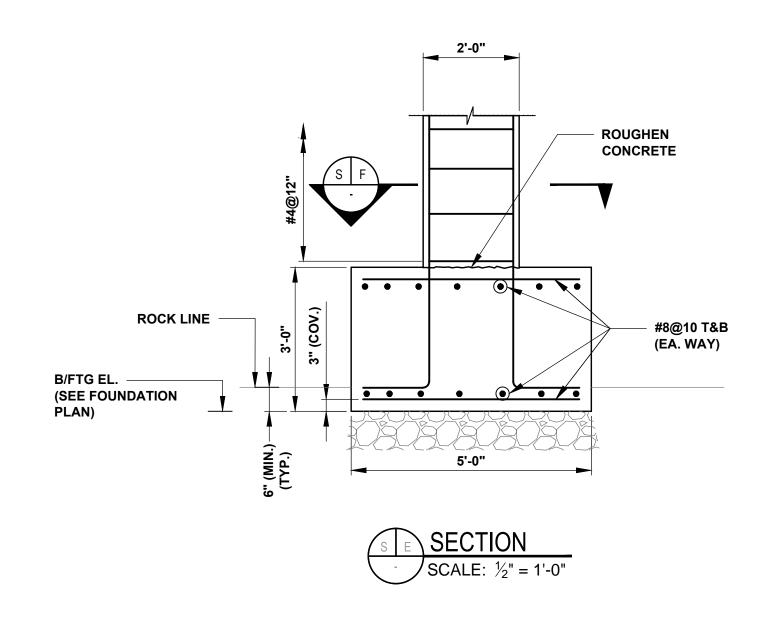


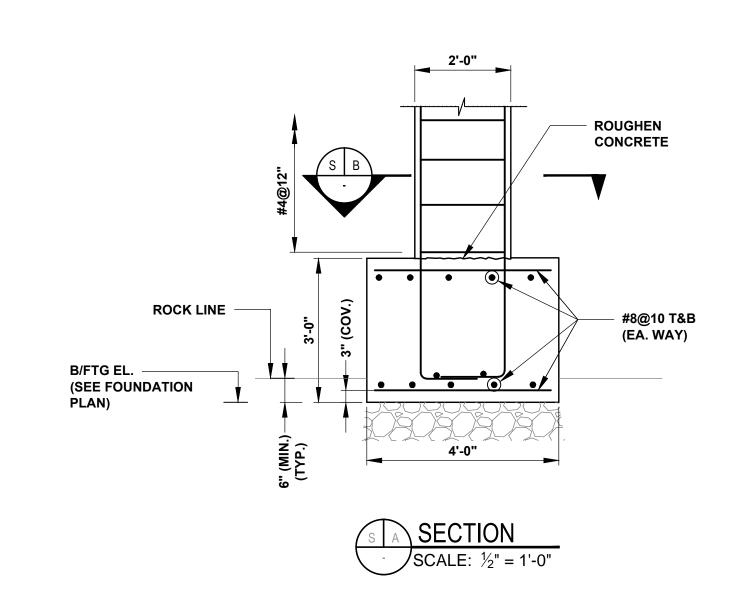
SCALE: $\frac{1}{2}$ " = 1'-0"

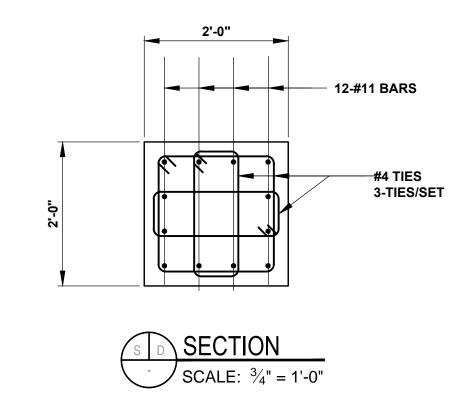


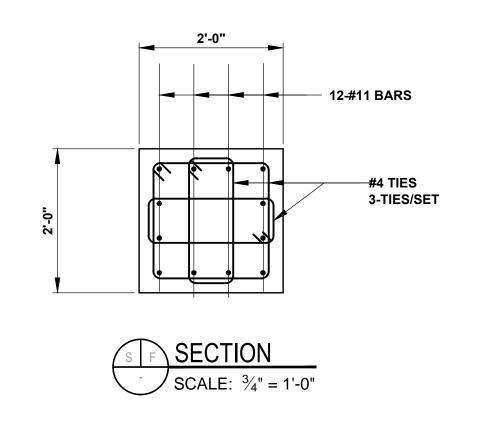


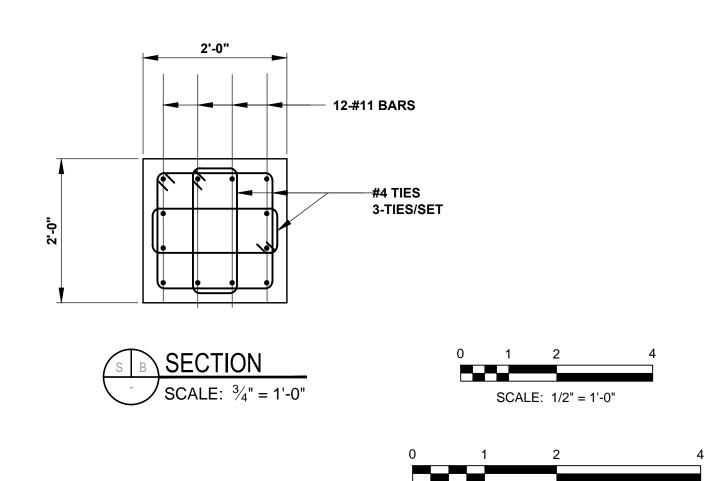












SCALE: 3/4" = 1'-0"

JAVITS PLAZA PLATFORM

CLIENT GROUP



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NYC Economic Development Corporation

Tel: 212.619.5000 Fax: 212.312.3911

DESIGNERS

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NOT FOR CONSTRUCTION

STATUS

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION

DRAWING TITLE

FOUNDATION DETAILS

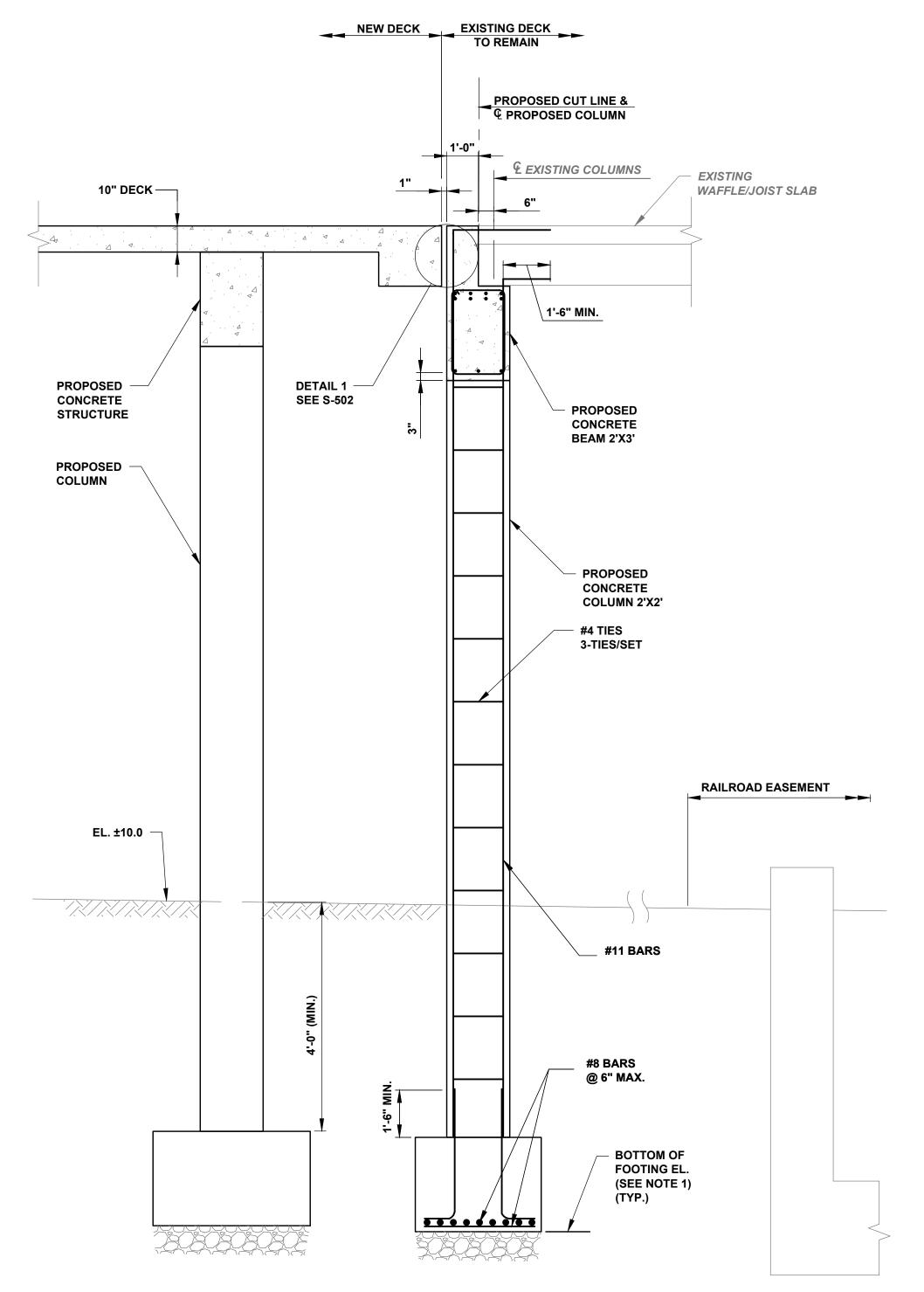
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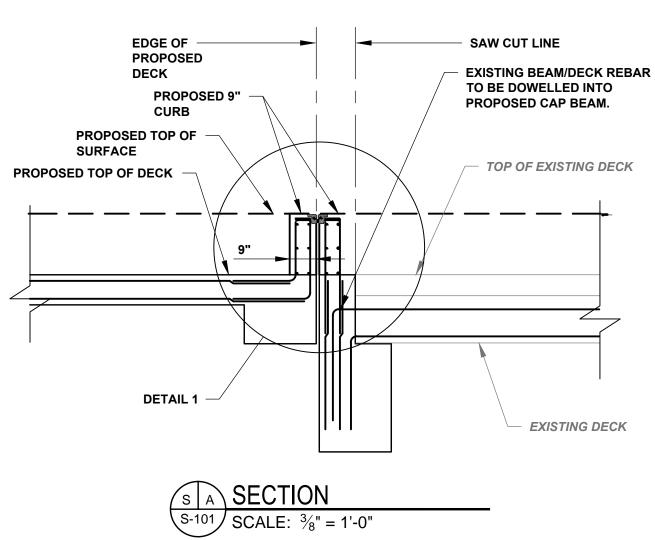
DATE 02/13/2015
SCALE AS NOTED
DRAWN BY M. JAYAKUMAR
CHECKED BY S. QASIM

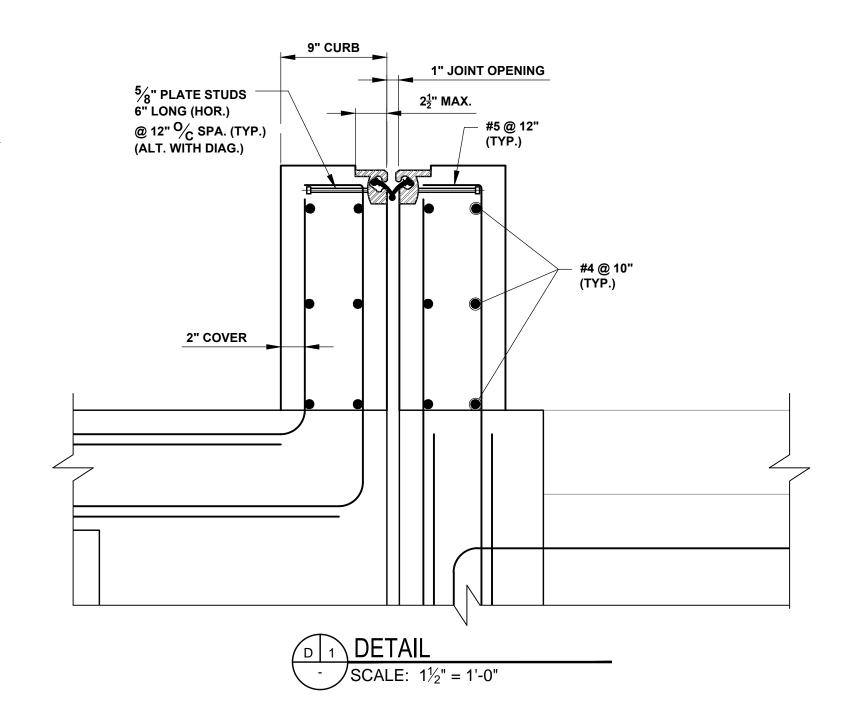
S-501 SHEET NO. _ OF _

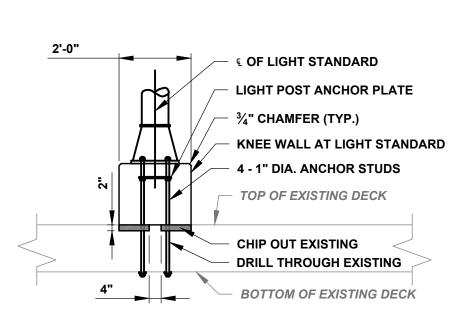
13 Feb 2015 TIME: 7:

915 TIME: 7:48 pm USERNAME: mjayakuma Fila\MYCFDC\Hidoon Park project\Na_CAD\O





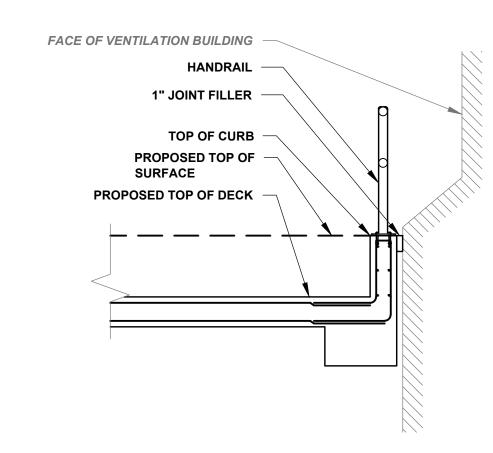




LIGHT STANDARD AT KNEE WALL

SCALE: $1\frac{1}{2}$ " = 1'-0"

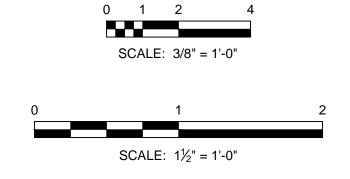
/ALL



VENTILATION BUILDING INTERFACE

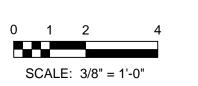
SCALE: $1\frac{1}{2}$ " = 1'-0"

EXISTING DECK DETAIL AT THE SAWCUT LINE



NOTE:

1. FOR THE BOTTOM OF THE FOOTING ELEVATIONS REFER TO THE DRAWING S-103 FOUNDATION PLAN.



JAVITS PLAZA PLATFORM

CLIENT GROUP

Hudson Yards Development Corporation

Hudson Yards Development Corporation

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New York City Economic Development Corp.

NYC Economic Development Corporation Tel: 212.619.5000 Fax: 212.312.3911

DESIGNERS

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Tel: 609.734.8400 Fax: 609.734.8405

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NOT FOR CONSTRUCTION

STAT

PRELIMINARY DESIGN

REVISIONS

NO.	DATE	DESCRIPTION
1	4/29/2015	PER COMMENTS BY HYDC

DRAWING TITLE

EXISTING PLAZA EDGE SUPPORT DETAILS

Seal

DATE 02/13/2015
SCALE AS NOTED
DRAWN BY M. PATULOT
CHECKED BY W.J. CHIOU
S-502

S-502 SHEET NO. _ OF _

ATE: 29 Apr 2015 TIME: 11:39 am USERNAME: Ferri

NOTES:

- 1. THE CONTRACTOR SHALL VERIFY AND CONFIRM ALL PROJECT INFORMATION PRIOR TO **BEGINNING WORK.**
- 2. THE CONTRACTOR SHALL STAKE ALL CONDUIT RUNS, JUNCTION BOXES AND LIGHTING STANDARDS FOR THE ENGINEER'S APPROVAL PRIOR TO INSTALLATION.
- 3. THE CONTRACTOR SHALL COORDINATE ALL ROADWAY LIGHTING INSTALLATION WITH UNDERGROUND UTILITIES TO AVOID CONFLICTS. POTENTIAL PROBLEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ALL UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA SHALL BE LOCATED AND MARKED PRIOR TO INSTALLING ANY CONDUIT AND SHALL BE MAINTAINED IN SERVICE WHERE REQUIRED. HAND EXCAVATE AT LOCATIONS WHERE CONDUIT INSTALLATION CROSS EXISTING UTILITIES. REPAIR OR REPLACE ANY EXISTING UTILITIES, PAVEMENT, ROADWAY CURB, TRAFFIC SIGNS, ETC. DAMAGED OR DISTURBED AT NO ADDITIONAL COST TO THE AUTHORITY.
- 4. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN CASE OF INADVERTENT DAMAGE TO AN EXISTING ACTIVE DRAIN LINE, CONDUIT, STRUCTURE OR OTHER UTILITY.
- 5. PROVIDE LIGHTING POLE ID TAGS PER DOT DRAWING #D-2861.
- 6. MOUNTING HEIGHT OF LUMINAIRE SHALL BE MEASURED AT THE PERPENDICULAR LINE FORMED AT THE CENTER LINE OF THE LUMINAIRE HEAD FROM THE SURFACE OF THE EDGE OF PAVEMENT UNDER THE LUMINAIRE.
- 7. POLES AND TRANSFORMER BASES SHALL HAVE STRUCTURAL CAPABILITIES EQUAL TO OR EXCEEDING THOSE INTENDED BY THE LATEST EDITION OF A.A.S.H.T.O'S "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR SIGNS, LUMINAIRES AND TRAFFIC
- 8. UNDERGROUND CONDUIT PLACEMENT SHALL BE IN ACCORDANCE WITH APPLICABLE NEC REQUIREMENT AND SHALL MAINTAIN 18" CLEARANCE FROM ALL UNDERGROUND UTILITIES. SPLICE ONLY IN POLE BASES AND JUNCTION BOXES. LABEL ALL ELECTRICAL CONDUCTORS IN EACH JUNCTION BOX AND POLE BASE WITH THEIR RESPECTIVE **CIRCUIT AND PANEL NUMBER.**
- 9. ALL CONNECTION BETWEEN GROUND RODS AND GROUND CABLE SHALL BE EXOTHERMIC WELD IN JUNCTION BOXES. INSIDE POLE BASES SHALL BE BOLTED **GROUND CONNECTION.**
- 10. FURNISH AND INSTALL SCOTCH SPLICING KIT NO. 82 SERIES OR MULTI-MOLD SPLICING KIT NO. 85 SERIES OR EQUAL FOR ALL SPLICING. INSTALL IN-LINE FUSE FOR PHASE CONDUCTORS IN LIGHTING POLE BASES.
- 11. INSTALL ALL LIGHTING POLE BRACKET ARMS PERPENDICULAR TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 12. ALL JUNCTION BOXES CONSTRUCTED IN PAVEMENT, SIDEWALK, ETC. SHALL BE CONSTRUCTED FLUSH WITH THE SURFACE OF THE PAVEMENT.
- 13. ALL CONDUITS SHALL BE HOT HIPPED RIGID GALVANIZED STEEL PER DOT STANDARDS, **UNLESS OTHERWISE NOTED.**
- 14. ALL WIRING SHALL BE TYPE XLP COPPER CABLE.
- 15. ANY CONDUIT TO BE PLACED UNDER EXISTING ROADWAY OR PAVEMENT SHALL BE DONE BY APPROVED JACKING OR DRILLING METHODS. OPEN TRENCH METHOD MAY BE USED ONLY WITH THE SPECIFIC APPROVAL ON THIS PROJECT.
- 16. COLOR CODING OF ELECTRICAL CONDUCTORS BY USE OF PHASE TAPE OR FIELD PAIN IS NOT ACCEPTABLE ON THIS PROJECT. CONDUCTORS MUST BE MANUFACTURER-COLORED.
- 17. EACH BRANCH CIRCUIT SHALL CONSIST OF ONE PHASE AND ONE NEUTRAL CONDUCTOR. A BARE WIRE SHALL RUN IN ALL CONDUITS 120V OR HIGHER TO INSURE **GROUND CONTINUITY.**
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL FIELD LOCATION OF LIGHTING SUPPORTS, FOUNDATIONS, JUNCTION BOXES, AND CABLE SO AS NOT TO CONFLICT WITH DRAINAGE OR OTHER PROPOSED PROJECT FEATURES.
- 19. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO DEPARTMENT OF TRANSPORTATION, DIVISION OF STREET LIGHTING FOR REVIEW AND APPROVAL BEFORE INSTALLATION.
- 20. ALL WORK SHALL BE PERFORMED PER NEW YORK CITY DEPARTMENT OF TRANSPORTATION, DIVISION OF STREET LIGHTING STANDARD SPECIFICATION.

SYMBOL LEGEND:

U.O.N., WALL MOUNTED SWITCH 20A, SPST, 120V COMPLETE WITH DEVICE PLATE (COLOR AS SELECT BY ARCHITECT) k_{\$\phi^3\$} or 3W OV - DENOTES OVERRIDE SWITCH 3 - DENOTES 3 - WAY SWITCH k - DENOTES KEY OPERATED MANUAL MOTOR STARTER WITH THERMAL OVERLOAD. (SQUARE D. CAT. NO. FG-1 WALL MOUNTED DUPLEX RECEPTACLE 20A, 125V) 3W (GROUND) NEMA 5-20R (COLOR AS SELECTED BY ARCHITECT) NUMBER DENOTES CIRCUIT; WP - DENOTES WEATHER PROOF; GFI - DENOTES GROUND FAULT INTERRUPTER CIRCUIT **QUADRUPLEX RECEPTACLE, 20A, 120V** HOMERUN TO 120/208 VOLT PANEL. ARROWS INDICATE QUANTITY OF SINGLE POLE

CIRCUITS, UNLESS OTHERWISE INDICATED. CONTRACTOR TO BALANCE LOADS FOR EACH PHASE LEGS. FOR SWITCH AND FUSE PANELBOARDS REFER TO PANEL SCHEDULES FOR NUMBER OF POLES.

CEILING MOUNTED JUNCTION BOX IN ADDITION, PROVIDE ALTERNATE WALL MOUNTED JUNCTION BOX BID FOR INSTALLATION OF LIGHT **FIXTURES SELECTED BY ARCHITECT** FLOOR MOUNTED JUNCTION BOX

MOTORIZED DAMPER **FUSED DISCONNECT SWITCH AS - AMPERE SWITCH** AF - AMPERE FUSE

DISCONNECT SWITCH, NON-FUSED

ELECTRIC MOTOR - BY OTHERS 5 - DENOTES HORSEPOWER; F - DENOTES AS FRACTIONAL HORSEPOWER

LOW VOLTAGE TRANSFORMER 120V PRIMARY AND 12V/24V SECONDARY. **ELECTRICAL PANEL BOARD**

WALL MOUNTED TELEPHONE/DATA OUTLET CONSISTING OF 4 11/16 SQUARE BOX ADAPTOR RING AND 1 " STUB-UP TO ACCESSIBLE CEILING. COORDINATE WITH TELEPHONE VENDOR FOR FINISH PLACE REQUIREMENTS.

PHOTOCELL LIGHTNING CONTACTOR

CT METER

TIME CLOCK

 \bigcirc M

SPLICE BOX

ELECTRIC METER

LED LIGHTING POWER SUPPLY.

GROUNDING AS REQUIRED.

NEW UNDERGROUND RGS, WITH COPPER WIRES (SEE ----- PLANS FOR NUMBER AND SIZE OF WIRES). INSTALL **#8AWG GROUND WIRE IN EACH CONDUIT**

EMERGENCY BATTERY LIGHT WITH BUILT - IN EMERGENCY UNIT EXIT SIGN. SOLID QUADRANT INDICATES FACING

ROADWAY TYPE 36X24 CONCRETE BOX WITH CAST IRON FRAME AND COVER AS PER DOT AS INDICATED. PROVIDE

ROADWAY TYPE 24X18 CONCRETE BOX WITH CAST IRON FRAME AND COVER AS PER DOT. PROVIDE GROUNDING AS

EXISTING ELECTRICAL MANHOLE



SINGLE PHASE 2 WIRE SERVICE (ROADWAY LTG)



TWO SINGLE PHASE 3 WIRE SERVICE (FOR PARK)

HP-33-02 FURNISH & INSTALL ALUMINIUM TAG # ON LAMPPOST.

ABBREVIATIONS:

ABOVE FINISHED FLOOR AMPERES

AMERICAN WIRE GAUGE

CONDUIT

CIRCUIT BREAKER CUH **CABINET UNIT HEATER**

CKT CIRCUIT **CENTER LINE**

CURRENT TRANSFORMER

DWG DRAWING

EMERGENCY BATTERY PACK EUH ELECTRICAL UNIT HEATER

EMPTY CONDUIT

FRACTION (OF HORSE POWER) G, GND GROUND

GROUND FAULT INTERRUPTER

GLITTER LIGHTING PANEL HORSEPOWER

HERTZ

JUNCTION BOX KVA **KILOVOLT-AMPERE KILO-WATTS**

LIGHTING PANEL MAIN CIRCUIT BREAKER

MCM THOUSAND CIRCULAR MILS

MAIN LUGS ONLY MTD MOUNTED **NORMALLY CLOSED**

NOT IN CONTRACT NORMALLY OPEN

NTS **NOT TO SCALE** PHASE

POLE POWER PANEL

PULLBOX PANEL

SEB SERVICE END BOX SERVICE SWITCH TELECOMMUNICATIONS TELCOM

THERMAL SWITCH TYPICAL

UNIT HEATER UON **UNLESS OTHERWISE NOTED** VAV **VARIABLE AIR VOLUME BOX VARIABLE FREQUENCY DRIVE**

WEATHERPROOF **WATER FOUNTAIN**

ROADWAY:



NYCDOT - STD HELM LUMINAIRE TYPE III / NYCDOT TYPE 8S POLE / ARM AND TRANSFORMER BASE [ALLOW 154w] [ROADWAYS]

JAVITS PLAZA **PLATFORM**

CLIENT GROUP





NYC Economic Development Corporation Tel: 212.619.5000 Fax: 212.312.3911

Tel: 212.839.6210

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DESIGNERS



Tel: 212.465.5000 Fax: 212.465.5584

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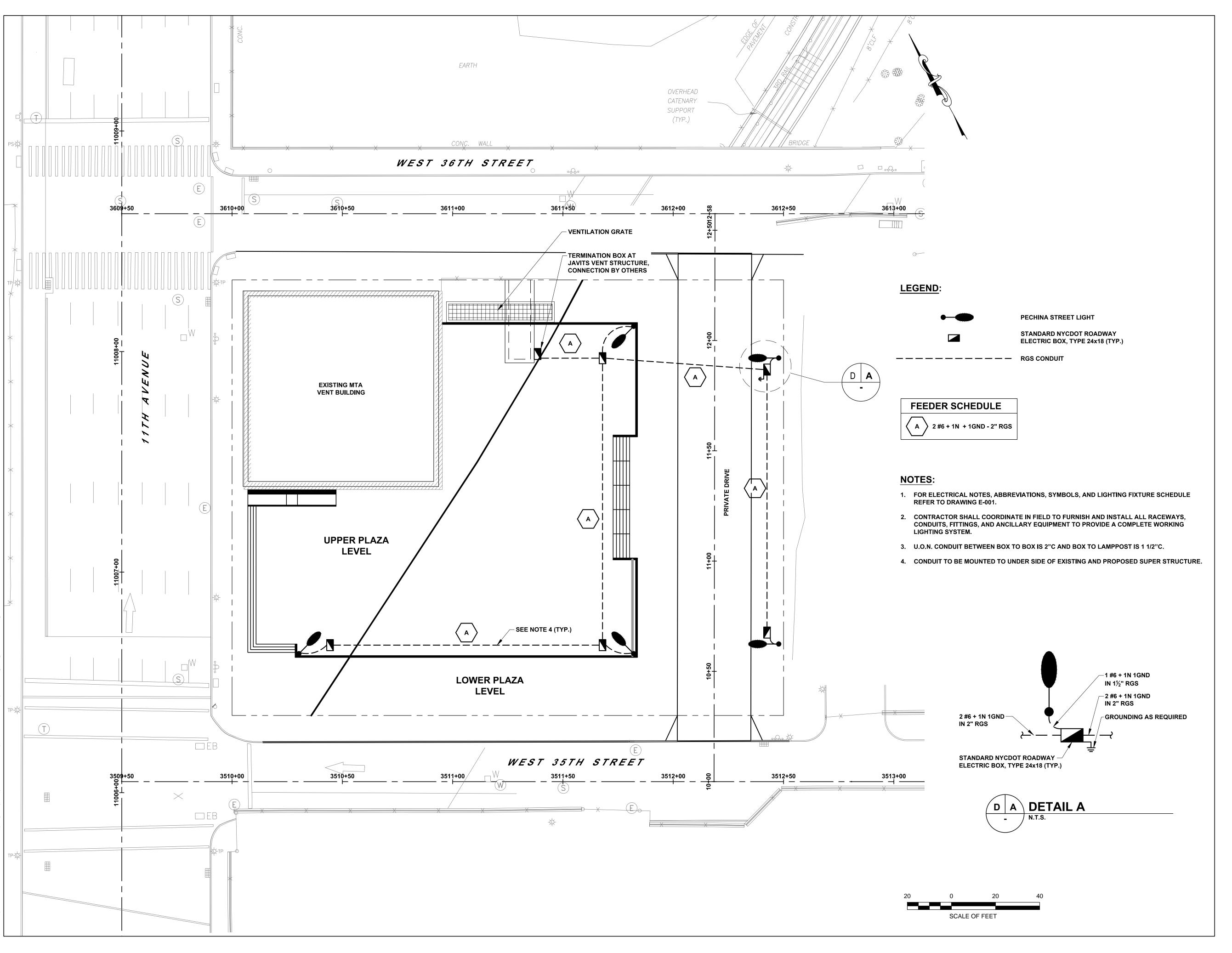
REVISIONS

NO.	DATE	DESCRIPTION
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ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS

02/17/2015 NO SCALE SCALE A. WRIGHT DRAWN BY CHECKED BY K. SPILLANE

> E-001 SHEET NO. _ OF _



CLIENT GROUP



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New York City Economic Development Corp.

NYC Economic Development Corporation Tel: 212.619.5000 Fax: 212.312.3911



NEW YORK CITY New York City Department of Transportation Tel: 212.839.6210 Fax: 212.839.6285

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NO.	DATE	DESCRIPTION
1	4/29/2015	PER COMMENTS BY HYDC
	•	
1		

DRAWING TITLE

LIGHTING SITE PLAN

02/17/2015 1" = 20' SCALE A. WRIGHT DRAWN BY CHECKED BY K. SPILLANE E-101 SHEET NO. _ OF _